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## **Interface Requirements/Design Document Between GTN and the Transportation Coordinator's Automated Information Management System (TC-AIMS II)**

**Global Transportation Network  
Delivery 3**

Contract No. F19628-95-C-0029

Publication No. USTCP 171-XXX.3 TC-AIMS II

Prepared by:  
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CDRL A026

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GTN-DD-012

Distribution Statement A: Approved for public release; distribution is unlimited.

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## **Section 1**

### **SCOPE**

## **Section 1**

### **SCOPE**

#### **1.1 IDENTIFICATION**

This document serves as the Interface Requirements and Design Document (IR/DD). This IR/DD defines the interface and electronic data exchange between the Global Transportation Network (GTN) and the Transportation Coordinator's Automated Information Management System (TC-AIMS II). TC-AIMS II is a Joint system.

#### **1.2 SYSTEM OVERVIEW**

##### **1.2.1 Global Transportation Network**

GTN is an automated command and control information system that supports the family of transportation users and providers (both Department of Defense [DoD] and commercial) by providing an integrated system of In-Transit Visibility (ITV) information and Command and Control (C2) capabilities. GTN collects and integrates transportation information from selected transportation systems. The resulting information is provided to the National Command Authority (NCA), Commanders in Chief (CINCs), United States Transportation Command (USTRANSCOM), its component commands, and to DoD customers to support transportation planning and decision making during peace and war.

Transportation responsibilities are grouped by intratheater, intertheater, and intra-Continental United States (CONUS) movements. USTRANSCOM is responsible for both intra-CONUS and intertheater movements, while theater commanders are responsible for intratheater movements. Visibility of intratheater movements within the GTN system is dependent upon source system interfaces and the degree to which intratheater movement is reported to those interfaces.

The three major functional areas provided by GTN are Defense Transportation System (DTS) In-Transit Visibility, Command and Control, and Planning and Analysis.

##### **1.2.1.1 In-Transit Visibility**

GTN will provide schedules and actual transportation movement information (itineraries and manifests) about units, forces, cargo, air refueling, passengers, and patients. GTN will collect, integrate, and distribute transportation information to the NCA, CINCs, USTRANSCOM, its component commands, and other transportation data customers. ITV will permit visibility into transportation requirements by obtaining visibility of a requirement when it is first initiated and continuing visibility as the requirement is satisfied through movement in the transportation pipeline. In general, GTN will satisfy user's ITV requirements through user-controlled views of integrated transportation data that include combinations of mode, locations, dates, and status with a variety of unit, force, cargo, passenger, and patient identifiers.

#### **1.2.1.2 Command and Control**

GTN will satisfy C2 information requirements by bringing together accurate, timely transportation information currently available through numerous unrelated systems into a single integrated view of the DTS. GTN will monitor the status and movement of transportation assets and resources which, when combined with planning and analysis tools as well as decision support systems, will form a capability essential to planning, directing, and controlling USTRANSCOM operations. The C2 operational requirements are Requirements Collection and Execution, Execution Monitoring, Course of Action Planning Exercise Support (Field Training Exercise/Command Post Exercise [FTX/CPX]), and Patient Movement.

#### **1.2.1.3 Planning and Analysis**

GTN will support USTRANSCOM's C2 planning and analysis mission, including course of action planning, modeling and simulation, exercise planning and execution, and DTS business operations. These planning and analysis capabilities are interrelated and closely tied to successful monitoring and execution of C2 operations. GTN planning capabilities will support USTRANSCOM's C2 mission across the spectrum of activities from peace to war.

### **1.2.2 Transportation Coordinators'-Automated Information for Movement System II**

TC-AIMS II is within the Department of Defense mission areas of mobility and sustainment. This is defined as transportation movement and support of DOD personnel and cargo during all phases of military operations in all environments. As part of the Defense Transportation System (DTS), TC-AIMS II focus includes daily transportation management, traffic management, commercial carrier interfaces, movement control and mode operations in garrison, at depots, consolidation activities and transshipment locations.

Within the Army, TC-AIMS II consolidates the management of transportation functions of unit movement, convoy management, load planning, Installation Transportation Officer (ITO) operations, and movement control and mode operations at various levels. It does this through providing a common hardware suite running software applications designed for easy data retrieval, data exchange, and connectivity to relevant external sources. An open systems architecture is emphasized throughout for standardization, interoperability, system growth and maintenance.

## **1.3 DOCUMENT OVERVIEW**

This document provides both general and detailed descriptions of the GTN-TC-AIMS II interface. The communications protocols, network connections, manual operations and formats and contents of the data that constitute the interface are described to an appropriate level of detail.

The TC-AIMS II IR/DD for phase 1 is based on direction from the GTN Program Management Office (PMO), the phase 1 interface and its resultant IR/DD will be limited to Computerized Movement Planning and Status System (COMPASS) data (transactions A, D, E, F, and G),

Installation Situation Report (ISR), Passenger Manifest transactions, and Advanced Transportation Control Movement Document (ATCMD) transactions (except T\_8).

When significant changes or revised releases occur, an overview that identifies new or modified transactions by name and paragraph, describing any change in system functionality and identifying additions or deletions of data elements will be provided in Table 1-1, Revision Status. If significant changes or revisions affect only the information contained in an appendix, only the appendix will be revised.

**Table 1-1. Revision Status.**

Revision	Date	Description of Change

## **Section 2**

### **REFERENCED DOCUMENTS**

## Section 2

### REFERENCED DOCUMENTS

#### 2.1 GOVERNMENT DOCUMENTS

The following documents, of the exact version shown, form a part of this specification to the extent specified within. In the event of a conflict between a referenced document and this specification, the contents of this specification will take precedence.

##### 2.1.1 Military Standards

- |   |              |          |  |
|---|--------------|----------|--|
| • | MIL-STD-1781 | May 1984 | Military Simple Mail Transfer Protocol |
|---|--------------|----------|--|

##### 2.1.2 Regulations

- |   |                  |                 |  |
|---|------------------|-----------------|--|
| • | DoD 4000.25-6-M  | 2 July 1996     | DoD Activity Address Directory (DoDAAD)  |
| • | DoD 4000.25-8-M  | March 1993      | Military Assistance Program Address Directory System   |
| • | DoD 4500.32-R    | 15 March 1987   | Military Standard Transportation and Movement Procedures (MILSTAMP), Vol 1, (Change No. 6, May 1995) |
| • | FORSCOM Reg 55-2 | 31 October 1997 | Transportation and Travel; Unit Movement Data Reporting  |
| • | AR 55-355        | 31 July 1986    | Defense Traffic Management Regulation  |

##### 2.1.3 Other Publications

- |   |                 |                  |   |
|---|-----------------|------------------|---|
| • | AMC Manual 76-6 | November 1990    | Passenger Reservation and Manifesting System (PRAMS), Volume 1                            |
| • | AFJMAN 24-204   | 25 November 1994 | Preparing Hazardous Materials for Military Air Shipments                                  |
| • | Title 49        | current edition  | Code of Federal Regulations (CFR), Transportation (International Maritime Dangerous Code) |
| • | DI-IPSC-81436   | 5 December 1994  | Data Item Description (DID) Titled:   |

			Interface Design Description (IDD)
•	DI-IPSC-81434	5 December 1995	Data Item Description (DID) Titled: Interface Requirements Specification
•	OT-94-34069	30 March 1994	GTN Interface Requirements/ Design Document (modified by 13 September 1996 AMC CONF/ LGCFB Memorandum)
•	GTN Security Concept of Operations (CONOPS),	31 January 1997	
•	RFC 701	June 1981	Request for Comment (RFC) Internet Protocol (IP)
•	RFC 793	1 September 1981	Transmission Control Protocol (TCP)
•	MOA	<u>9 July 1996 ??</u>	Memorandum of Agreement (MOA) for the Global Transportation Network/ Transportation Coordinator's Automated Information Management System, Signed

Copies of specifications, standards, drawings, and publications required by suppliers in connection with specified procurement functions should be obtained from the contracting agency or as directed by the contracting officer.

### **Section 3**

## **INTERFACE PROCEDURES**



## Section 3

# INTERFACE PROCEDURES

### 3.1 INTERFACE DIAGRAMS

Figures 3-1, 3-2, and 3-3 display GTN system design overview, TC-AIMS II interfaces, and the TC-AIMS II Transaction Time Line.

#### 3.1.1 GTN System Design Overview

The GTN system design, with logical connectivity is shown in Figure 3-1.

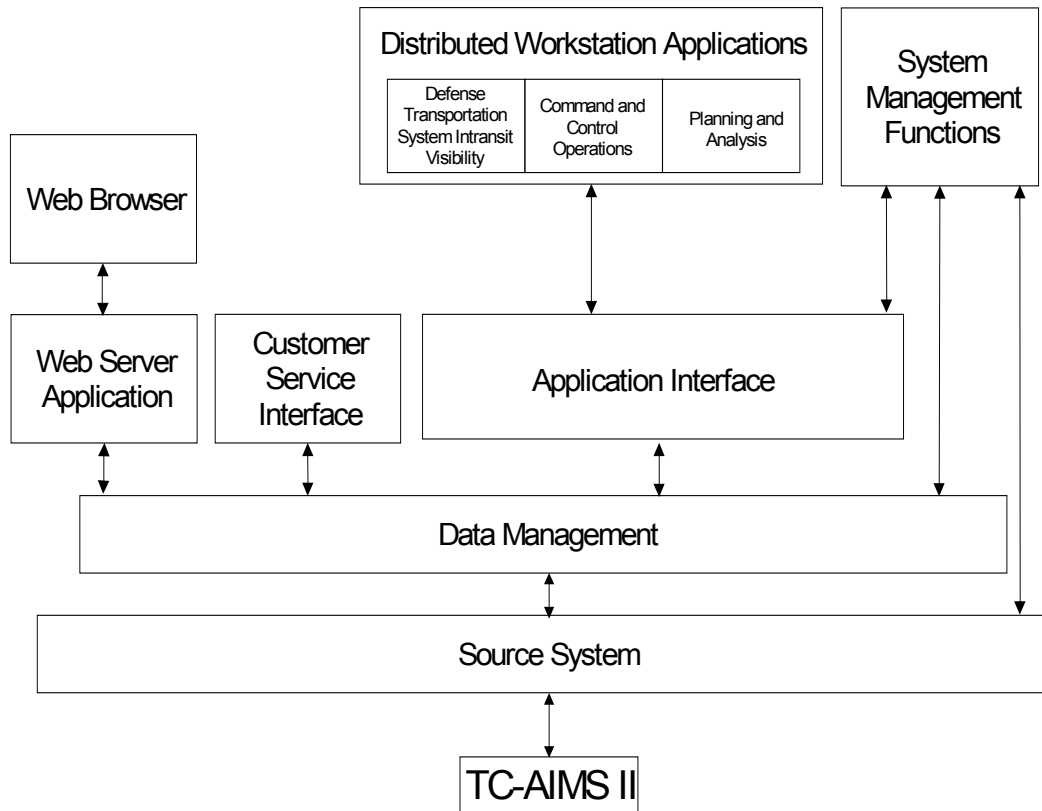
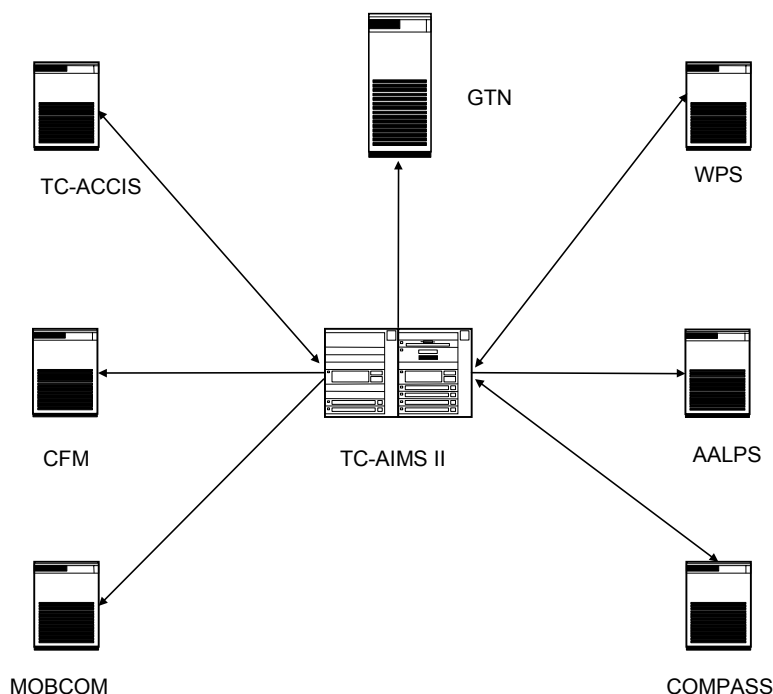


Figure 3-1. GTN System Design Overview.

#### 3.1.2 TC-AIMS II Interface Summary

The other systems to which TC-AIMS II interfaces to receive and provide transportation-related information are shown in Figure 3-2 and Table 3-1. Table 3-1 provides a summary of the communication means, the frequency of updates and the functional information exchanged between TC-AIMS II, its interfacing systems and GTN. Many of the transmissions to

interfacing systems occur when a request for transportation has been generated by TC-AIMS II or TC-AIMS II has generated movement data that is required by the agency of the interfacing system.



**Figure 3-2. TC-AIMS II Interface Summary Diagram.**

**Table 3-1. TC-AIMS II Interface Summary Table.**

Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Automated Air Load Planning System (AALPS)	LAN, Diskette		AMC (usage of AALPS at Aerial Ports and HQ AMC as part of GATES)	Imports/Exports. Submits Unit Personnel and Cargo to be moved by air. Submits loose increment TCNs "Air Load Module".	
Asset Tracking and Logistics Automated Support System (ATLASS)	DDN FTP, Diskette		US Marine Corps	Imports/Exports. Sends receipt notices: transmits hold code and gain and loss transactions between units. Receives Marine Corps supply shipment requests. Receives input to populate equipment tables.	

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Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Cargo Movement Operations System (CMOS)	?		US Air Force	Imports. Submits and receives ATCMDs, cargo data, REPSHIPS, mobility status, GBLs, passenger manifests, requests for airlift, and close out records.	

**Table 3-1. TC-AIMS II Interface Summary Table. (cont'd)**

Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Computer Aided Embarkation Management System (CAEMS) Scheduled to be replaced by ICODES in FY 03	Diskette		US Marine Corps	Imports/Exports. Receives ship load plans. Submits ship load plans.	
Computer Aided Load Manifesting (CALM) Scheduled to be replaced by AALPS	LAN, Diskette		US Air Force	Imports/Exports. Receives air load plans. Submits air load plans (chalks).	
Computerized Movement Planning and Status System (COMPASS)	Electronic File using FTP via DDN			Imports/Exports. Submits initial report to COMPASS (UEL updates). Receives unit movement requirements (TPFDD ULNs).	
Department of Army Movement Management System—Redesign (DAMMS—R)		On-demand	US Army	Surface only: TAT, TAB, T_D, and trailers pushed to DAMMS—R as required.	None
Global Air Transportation and Execution System (GATES). GATES replaced Consolidated Aerial Port System II (CAPS II) in FY 99	?		US Air Force	Imports/Exports. Submits passenger movement requests, advanced shipping notices. Receives air and truck manifests, shipment notification, lifted air manifests, TCMDs, and aborted missions.	
Global Transportation Network (GTN-HOST)	Electronic File using FTP via DDN		TRANSCOM	Exports. Sends ATCMDs and TCMDs to GTN for In-Transit Visibility/Total Asset Visibility (ITV/TAV), receipt notices, close records, and answers to Ad Hoc Queries.	
Group Operational Passenger System (GOPAX)	Manual Entry, Electronic File using FTP via DDN		US Army MTMC	Imports/Exports. Submits group passenger transportation requests for CONUS/OCONUS air/rail and/or bus. Receives movement request number (MRN) from GOPAX (group passenger movement approvals/schedules).	
Integrated Computerized Deployment System (ICODES)	Diskette		US Army	Imports/Exports. Sends planned equipment to be loaded (UDL, UEL) for gross load planning and actual equipment to be loaded for deployment execution. Receives cross notional ship load plans and actual ship loads.	

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Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Integrating Booking System (IBS)	?		US Army MTMC	Imports/Exports. Submits and receives surface cargo clearance requests.	

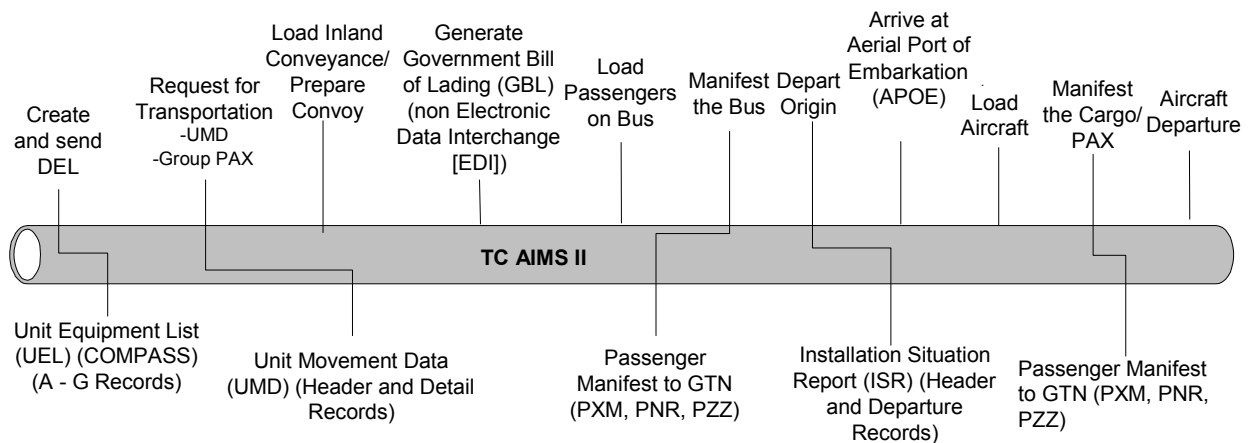
**Table 3-1. TC-AIMS II Interface Summary Table. (cont'd)**

Source System	Communication s Method	Update Frequency	Owner	Source System to/from TC-AIMS II	Source System to GTN
Joint Force Requirements Generator (J-FRG)	Diskette		US Marine Corps	Exports. Sends JOPES/GCCS TPFDD sourcing information.	
Logistics Module (LOGMOD)	DDN FTP, Diskette		US Air Force	Imports/Exports. Submits update of unit cargo data for TPFDDs (updated unit deployment list [UDL]). Receives unit movement requirements (unit equipment list [UEL]).	
MAGTF Deployment Support System II (MDSS II)	DDN FTP, Diskette		US Marine Corps	Imports/Exports. Receives updates to planning and reference data. Submits updates.	
Manpower and Personnel Module – Base (MANPER-B)	Diskette		US Air Force	Imports/Exports. Submits update personnel data for TPFDDs. Receives unit movement personnel requirements.	
Marine Ground Air Task Force II (MAGTF II)	DDN FTP, Diskette		US Marine Corps	Imports/Exports. Receives updates to planning and reference data. Submits updates.	
Naval Construction Force Management Information System (NCFMIS)			US Navy		
Retail Ordnance Logistics Management System (ROLMS)	?		US Navy	Imports. Receives data for prepositioned ammunition in the Mediterranean.	
Special Assignment Airlift Mission (SAAM)	MTF Message		MTF	Exports.	
Standard Installation/Division Personnel System III (SIDPERS III)	?		US Army	Imports. Populates system with army personnel data. Receives UIC personnel alpha roster.	
Transportation Coordinator's Automated Command and Control Information System (TC-ACCIS)	Diskette		US Army	Imports/Exports. Unit Equipment List.	Unit Movement Data and Passenger Manifests related to Unit Moves.
Unit Diary/Marine Corps Integrated Personnel System (UD/MIPS)	Diskette		US Marine Corps	Imports. Receives Marine Corps personnel data.	

Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Worldwide Port System (WPS)	Electronic File, FTP via DDN		MTMC	Imports/Exports. Receives Unit Shipment status, manifest data, shipment notification, and reference table data and recovery data. Sends ATCMDs and commercial ship schedule and close out records.	TY series/ocean manifest transactions and ATCMDs.

### 3.1.3 TC-AIMS II Transaction Timing

The TC-AIMS II Transaction Time Line, Figure 3-3, is a high-level representation of the sequence of events and the associated transactions that those events may trigger. Units develop Deployment Equipment Lists (DELs) for each unit move (also known as Unit Equipment Lists [UELs]). The DEL is sent as a COMPASS report to Forces Command (FORSCOM) and GTN. The updates to the DEL are also reported as they occur. Unit Movement Data (UMD) is provided to the Military Traffic Management Command's (MTMC's) Integrated Booking System (IBS) and the Logistics Information File (LIF) at the Logistics Support Agency (LOGSA). The original UMD and updates to the UMD are also sent to GTN. When the cargo departs the installation, TC-AIMS II provides visibility of the departure via the Installation Situation Report (ISR). If the passengers travel by bus or air, TC-AIMS II will provide a passenger manifest for bus or air movement of the passengers.



**Figure 3-3. TC-AIMS II Transaction Time Line.**

## 3.2 GTN TC-AIMS II INTERFACE

The interface covered in this document is known as the GTN TC-AIMS II interface. The purpose of the GTN TC-AIMS II interface is to provide early movement requirement information about the cargo a unit is planning to ship in support of an operation or exercise, ITV information when the cargo departs origin, and ITV information for passengers departing by bus or aircraft.

The GTN system is located in Building 1575 of the Consolidated Computer Facility (CCF) on Scott Air Force Base (AFB), Illinois. It consists of a number of hardware platforms functioning as various types of servers. The platforms are connected to the dedicated GTN Local Area Network (LAN).

The TC-AIMS II is located at eight site locations. There may also be added a site location in Europe.

GTN and TC-AIMS II will communicate using SMTP.

### 3.2.1 GTN-TC-AIMS II Data Elements

At the most basic level, the information sent from TC-AIMS II to the GTN system may be described in terms of data elements. All data elements are uniquely named. The data will be passed to GTN as American Standard Code for Information Interchange (ASCII) strings. Associated with each data element is a description, size (e.g., length in characters), limits/range (e.g., list of allowed values), set of legal checks (e.g., the set of ASCII characters that may comprise a legal value of the data element), the DoD standard data element name (if one exists), and a comment. The possible legal checks that a given data element has are described in Table 3-2.

**Table 3-2. Legal Checks Legend.**

Legal Check	Description	Valid ASCII Characters	Format
A	Alphabetic (uppercase)	'A'-'Z'	
AN	Field must be AlphaNumeric (uppercase)	'A' - 'Z', '0' - '9'	
C	Used for qty fields of AN., If qty value is greater than field size, the most significant digit becomes: &=10, A=11, I=19, -=20, J=21	'A' - 'Z', '0' - '9', '-', '&'	
N	Numeric	'0' - '9'	
N/A	Value Not Checked (Not Applicable)		
SA	Field must be Alphabetic (uppercase) 'A' - 'Z', Spaces or Blank	'A' - 'Z', ' '	
SAN	Field must be AlphaNumeric 'A' - 'Z', '0' - '9', Spaces or Blank	'A' - 'Z', '0' - '9', ' '	
SN	Field must be Numeric '0' - '9' or empty (ASCII blanks)	'0'-'9', ' '	
TCN	WPS TCN format	'A' - 'Z', '0' - '9', '\$'	
X	AlphaNumeric including Special Characters	'A'-'Z', '0'-'9', ',', '-', '/', '#', '\$', '_', '&', ':', ';', '(', ')'	

The data elements sent across the GTN-TC-AIMS II interface are described in Table 3-3. In Table 3-3, each data element has been referenced in the "DoD Standard Data Element" column to the Defense Data Dictionary System (DDDS) when a corresponding data element could be found. In the "Limit/Ranges" column where the definition is extensive, a reference has been made to the appropriate standard table where the limits and ranges are specified. The reference



to where the data element is defined is indicated in the “Comments” column. Where no standard reference is applicable, reference is made to source system documentation when available or just to the source system when no documentation has been identified.

**Table 3-3. GTN TC-AIMS II Data Definitions.**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
ABRV_NOMEN	(Not found in DDDS)	The abbreviated nomenclature for nonhazardous material.	14	14		X	DoD 4500-32-1-R, Fig. D-9 and 2B1b(5)
ACFT_MODEL	AIRCRAFT-TYPE MODEL IDENTIFIER	Aircraft model nomenclature.	3	3		X	This combines with aircraft series. DoD 4500-32-1-R, Fig. 3-C-1
ACFT_NBR	TRANSPORTATION- EQUIPMENT IDENTIFIER	Identifying number painted on the tail of the carrier aircraft.	6	6		X	Tail number is unique for each aircraft model design series. DoD 4500-32-1-R, Fig. 3-C-1
ACFT_SERIES	AIRCRAFT-TYPE SERIES IDENTIFIER	First character of aircraft series nomenclature.	1	1		X	Combines with aircraft model. DoD 4500-32-1-R, Fig. 3-C-1
AERIAL_POD	FACILITY IDENTIFIER	Aerial port of debarkation	0	3	DoD 4500-32-R, Vol 1, App F4	A	DoD 4500-32-R, Vol 1, App D
AERIAL_POE	FACILITY IDENTIFIER	Aerial port of embarkation	0	3	DoD 4500-32-R, Vol 1, App F4	A	DoD 4500-32-R, Vol 1, App D
AIR_CMDTY_CD	AIR-COMMODITY CODE	Air commodity code.	2	2	DoD 4500.32-1-R, App F2	AN	I, O, and W not used. DoD 4500-32-1-R, App D and 2B1b(11)
AIR_DIM_CD	(Not found in DDDS)	Air dimension code.	1	1	DoD 4500-32-1-R, App F3	X	“A” = not a consolidation, <= 6 ft; “C” = consolidation, <= 6 ft; “D” = consolidation w/dimension > 6 ft; or “Z” = not consolidation w/dimension > 6 ft. DoD 4500-32-1-R, App D
APOD	FACILITY IDENTIFIER	Aerial Port of Debarkation is (APOD) a MILSTAMP airport code.	3	3	DoD 4500-32-1-R, App F4	A	DoD 4500-32-1-R, App D and 2B1b(13)(a)
APOD_ZONE	(Not found in DDDS)	Air Point of Debarkation is a (APOD) zone.	1	1	0, 1, 2, 3, 4, 7, 8, 9	N	O = special use only 1 = 21 AF CONUS AMC port; 2= 15 AF CONUS AMC port; 3= 21 AF CONUS non-AMC port; 4= 15 AF CONUS non-AMC port; 7= 21 AF Overseas port; 8= 15 AF Overseas port; 9 = 15 AF Southeast Asia. TC-AIMS II Data Element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
APOE	FACILITY IDENTIFIER	Aerial port of embarkation (APOE) is a MILSTAMP airport code.	3	3	DoD 4500-32-1-R, App F4	A	DoD 4500-32-1-R, App D and 2B1b(12)(a)
APOE_ZONE	(Not found in DDDS)	APOE zone is as code for an area in which the APOE is contained.	1	1	0, 1, 2, 3, 4, 7, 8, 9	N	Not 5 or 6. Same as APOD Zone.
BASIC_ISSUE_ITEM	SUPPLY-SHIPMENT- UNIT BASIC ISSUE ITEM SET QUANTITY	Accessories and tools necessary to operate an end item (e.g., vehicle). For Government vehicles, trailers, wheeled guns, and aircraft.	5	5	00-99, BII	SAN	The first three characters are always "BII". The number of sets is given in positions 4 and 5. DoD 4500-32-1-R, Fig. D-8
BEAM_ASSEMBLIES	CONTAINERIZED- TRANSPORTATION- UNIT BEAM ASSEMBLY QUANTITY	The quantity of beam assemblies used inside a MILVAN.	2	2		N	DoD 4500.32-R-1, App D
BLDG_ACT	LOCATION IDENTIFIER	DoD Activity Address Code (DoDAAC) of the activity that built the pallet or loaded the consolidation container..	6	6	DoD 4000.25-6-M	AN	DoD 4500-32-1-R, Fig 3-C-2, Fig D-4, and Fig D-6.
BLOOD_TYPE	(Not found in DDDS)	Passenger's blood type.	0	3	A-, A+, O-, AB-, B-, B+, O+, AB+	X	TC-AIMS II - GTN agreed to data element.
CARD_TYPE	(Not found in DDDS)	Type of transaction for a unit equipment list.	1	1	A, D, E, F, G, H, J	A	FORSCOM Reg 55-2, Chapter 5
CARDCD	(Not found in DDDS)	Identifies the end of a transaction in a COMPASS report	0	1	9	N	FORSCOM Reg 55-2, Chapter 5
CARGO_HT	AIR-CARGO-LOAD- UNIT HEIGHT DIMENSION	Height of a cargo item in inches.	3	3	001-999	N	DoD 4500-32-1-R, Fig. D-8 and 2B1b(8)
CARGO_LOC	PALLETIZED- TRANSPORTATION- UNIT LOCAL GRID LOCATION IDENTIFIER	Local bay/grid location of cargo.	4	4		X	DoD 4500-32-1-R, Fig 3-C-2

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**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
CARGO_LTH	AIR-CARGO-LOAD-UNIT LENGTH DIMENSION	Length of a cargo item in inches.	5	5	00001-99999	N	DoD 4500-32-1-R, Fig. D-8 and 2B1b(8)
CARGO_WTH	(Not found in DDDS)	Width of a cargo item in inches.	3	3	001-999	N	DoD 4500-32-1-R, Fig. D-8 and 2B1b(8)
CARRIER_CD	ORGANIZATION IDENTIFIER	The SCAC code for the carrier moving the cargo.	4	4		X	DoD 4500.32-1-R, App F-11
CARRIER_CD(TAA)	ORGANIZATION IDENTIFIER	SCAC or other code that identifies the commercial or military carrier.	5	5	Directory of standard-Multi Modal Carrier and Tariff Agent Codes, AMC, GOVT	X	DoD 4500-32-1-R, Fig 3-C-1. For PAX Manifest: AR 55-355, Chap 47-16. Precede the carrier abbreviation with zeros.
CARRIER_ID_CODE	ORGANIZATION IDENTIFIER	SCAC or other code that identifies the carrier.	0	4		AN	AR 55-355.
CARRIER_NAME	ORGANIZATION-NAME TEXT	Clear text name of the carrier.	0	40		X	AR 55-355
CHALK_NUMBER	(Not found in DDDS)	Chalk number.	0	3		N	For air movement only. TC-AIMS II - GTN agreed to data element
CHECK_DIGIT	SEAVAN-CONTAINER CHECK DIGIT IDENTIFIER	The single character that is part of the van identifying number.	1	1		AN	DoD 4500.32-1-R, App D
CIC	(Not found in DDDS)	Content Indicator Code. Identifies one of the Armies or participation in an exercise	4	4	ACGA = First U.S. Army, East; AJFB = First U.S. Army, Mid-West; AJFA = Second U.S. Army; AGCB = Fifth U.S. Army; AGCC = Sixth U.S. Army; AJFC = Participating in exercise; tttt = informational	A	FORSCOM 55-2, para 6-2
CLASS_DIV	(Not found in DDDS)	United Nation (UN) classification number for a hazardous item.	2	2	Title 49 CFR	X	DoD 4500-32-1-R, Fig D-9

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
CLR_TXT_DEST	(Not found in DDDS)	Literal spelling of destination location.	15	15		X	DoD 4500-32-1-R, Fig 3-C-1
CLR_TXT_DEST(TAT)	(Not found in DDDS)	Literal spelling of destination location.	22	22		X	TC-AIMS II Data Element.
COMPATIBILITY_GP	(Not found in DDDS)	The compatibility group code from International Movement of Dangerous Goods and Cargo (IMDGC).	1	1	Title 49 CFR, 172.102	AN	DoD 4500-32-1-R, Fig D-9 and 2B1b(15)(a)
CONFIG_CD	PALLETIZED-TRANSPORTATION-UNIT CARGO CONFIGURATION CODE	Provides detail about pallet configuration.	2	2	BC, PC, RS, SD, LS, T, 2-9	AN	“BC” = belly cargo “PC” = palletized cargo “RS” = rolling stock, “SD” = cargo on skid, “LS” = loose cargo, “T#” = pallet train where # indicates number of pallets in the train, 2-9. DoD 4500-32-1-R, Fig 3-C-2
CONSIGNEE	LOCATION IDENTIFIER	DoDAAC of consignee.	6	6	DoD 4000.25-6-M	SAN	May also contain Military Assistance Program Address Code (MAPAC) or service code followed by “00000”. DoD 4500-32-1-R, App D and 2B1b(1)
CONSIGNEE_QTY	(Not found in DDDS)	A code to indicate if there is more than one consignee for the items in the consolidation container.	1	1	S = single, M = multiple	AN	DoD 4500.32-1-R, App D and 2B1b.
CONSIGNOR	LOCATION IDENTIFIER	DoDAAC of consignor.	6	6	DoD 4000.25-6-M, DoD 4000.25-8-M	SAN	May also contain MAPAC or service code followed by “00000”. DoD 4500-32-1-R, App D and 2B1b(1)
CONSTANT	(Not found in DDDS)	Identifies which ITO sent the record to GTN	0	4	ZZZZ	AN	TC AIMS II data element
CONT_QTY	(Not found in DDDS)	Quantity of the piece(s) being shipped by container.	4	4	0001-9999	C	DoD 4500-32-1-R, App D.
CONT_TOT_SU	(Not found in DDDS)	Number of shipment units in the consolidation container.	2	2	XX, or 01-99	X	DoD 4500.32-1-R, App D and 2B1b

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
CONT_TOT_WT	(Not found in DDDS)	Weight of the container's contents, including the weight of the container. Except when the container is a SEAVAN	5	5		C	DoD 4500-32-1-R, App D
CONT_TRL_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	An identifier for a consolidation container.	5	5		AN	DoD 4500.32-1-R, App D and 2B1b
CONT_TRL_NBR(SUB)	TRANSPORTATION-EQUIPMENT IDENTIFIER	The identifier of the consolidation container loaded inside another consolidation container	6	6		SAN	DoD 4500.32-1-R, App D and 2B1b
COUNT	(Not found in DDDS)	Number of rounds in an ammunition cargo item	6	6	000001-999999, M	AN	Total round count. Numbers followed by M indicate thousands of rounds. DoD 4500-32-1-R, Fig D-9 and 2B1b(15)(a)
CREATED_BY	(Not found in DDDS)	System operator who created the manifest.	0	7		A	TC-AIMS II - GTN agreed to data element
CTR_BAL	SHIPMENT-UNIT-PIECE CENTER OF BALANCE DIMENSION; PALLETIZED-TRANSPORTATION-UNIT CENTER OF BALANCE DIMENSION	This indicates the center of balance of pallet or pallet train.	3	3		SN	DoD 4500-32-1-R, Fig 3-C-2
DASH	(Not found in DDDS)	The hyphen between the van number and the check digit.	1	1	-	X	Always "-". DoD 4500.32-1-R, App D
DATE_CONF_COMP	(Not found in DDDS)	Year, month, and day cargo was conFigured.	8	8	YYYYMMDD	N	DoD 4500.32-1-R, Fig 3-C-2. MILSTAMP date format changed to be Year 2000 compliant.
DATE_OLD_PC	(Not found in DDDS)	Year, month and day of oldest piece of cargo.	8	8	YYYYMMDD	N	DoD 4500.32-1-R, Fig 3-C-2. MILSTAMP date format changed to be Year 2000 compliant.

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
DATE_PROC	(Not found in DDDS)	Year, month, and day cargo was processed by the system.	8	8	YYYYMMDD	N	DoD 4500.32-1-R, Fig 3-C-2. MILSTAMP date format changed to be Year 2000 compliant.
DATE_RCVD	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT DATE	Julian date received. Part of system generated van or container number.	2	2	JJ	N	DoD4500.32-R, Fig 3-C-3
DATE_RELEASE	(Not found in DDDS)	Day the shipment unit is released for movement to the Ocean POE or hour and day the shipment unit is released for movement to the Air POE	3	3	JJJ for Ocean ANN for Air	N	DoD 4500.32-1-R App F7 For Air A = alpha hour code and N = last two digits of the day
DATE_SHIP	BASIC-SHIPMENT-UNIT-FACILITY SHIP DATE	Year, month, and day cargo/pallet was shipped from the Port of Embarkation (POE).	8	8	YYYYMMDD	N	DoD 4500.32-1-R, App F7
DEP_TIME	BASIC-SHIPMENT-UNIT-FACILITY SHIP DATE; BASIC-SHIPMENT-UNIT-FACILITY SHIP TIME	Date and hour of departure.	10	10	YYYYMMDDHH	N	TC-AIMS II Data Element
DEST_CITY	(Not found in DDDS)	Destination city of the conveyance.	0	20		A	AR 55-355, chapter A7-16
DEST_STATE	(Not found in DDDS)	State or country code of the destination of the conveyance.	0	2		A	AR 55-355, chapter A7-16
DISPOSITION_CODE	(Not found in DDDS)	Defines post-arrival handling of personal property.	1	1		SA	Optional codes: Blank, A, B, C, D, N, H, U, P
DOC_ID	(Not found in DDDS)	Document Identification. Identifies the type of data record.	3	3		AN	For air cargo manifests and ATCMDs: the first position is T, the second position can be any alpha except K, M, or S. The third position can be A -I, T and W; or 0-9. For PAX Manifest: AP2 and PXM. For in-transit notices: ILN/I, IRO/I/T and ILC DoD 4500-32-1-R, App D.

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
DODAAC	ORGANIZATION IDENTIFIER	DoDAAC of the stop-off to be made by the MILVAN/SEAVAN/REEFER.	6	6	DoD 4500.25-6-M	SAN	DoD 4500.32-1-R App D and 2B1b
DODIC	(Not found in DDDS)	DoD Identification Code. Assigned to items of supply in Federal Supply Group (FSG) 13 and 14.	4	4	DoD 4100.39-M	AN	DoD 4500-32-1-R, Fig D-9 and 2B1b(15)(a)
ECH_STRENGTH	(Not found in DDDS)	Number of personnel associated with an overall echelon	0	4	0000-9999	N	FORSCOM Reg 55-2, Chap 5
ECHELON_NBR	(Not found in DDDS)	A number that identifies an echelon as assigned by the unit.	2	2		N	FORSCOM Reg 55-2, Chap 5
ECR.EQUIPTYP	(Not found in DDDS)	Code that identifies the type of military unit equipment.	1	1	FORSCOM Reg 55-2, Table 5-6	AN	FORSCOM Reg 55-2, Chapter 5
EQ_PALL_POS	SHIPMENT-UNIT EQUIVALENT PALLET POSITION QUANTITY	This indicates the equivalent number of pallet positions used by the cargo.	2	2	01-99	N	A decimal point is implied between the two numbers entered in the field. DoD 4500-32-1-R, Fig 3-C-2
EQUIPLST.CUFTLOAD	SHIPMENT-UNIT VOLUME	Cubic feet of the load item.	7	7	0-9999999	N	AR 55-355
EQUIPLST.DATATYPE	(Not found in DDDS)	Type Data Code used to identify this unit move.	2	2	Left justified	AN	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.ECH_ULN	(Not found in DDDS)	A seven character ULN.	7	7		SAN	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.ECH_ULN (ECH)	(Not found in DDDS)	Echelon is the movement group the unit equipment and or personnel are assigned to by the unit. There can be multiple echelons within a ULN	0	2	00-99	SAN	FORSCOM Reg 55-2, Chapter 5.
EQUIPLST.EQUIPDES	MATERIEL-ITEM DESCRIPTION TEXT	Text description. Normally matches the description in TB 55-46-1 but doesn't have to.	15	15		X	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.HEIGHT	SHIPMENT-UNIT- PIECE HEIGHT DIMENSION	Height of the item in inches.	0	4	0-9999	N	FORSCOM Reg 55-2, Chapter 5



**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
EQUIPLST.LIN	(Not found in DDDS)	Line Item Number assigned to a specific piece of equipment.	0	6	TB 55-46-1	AN	The LIN is found in TB 55-A6-1 FORSCOM Reg 55-2, Chapter 5
EQUIPLST.LININDEX	(Not found in DDDS)	Index further identifies a type of equipment within the LIN.	0	2	00-99, AA-ZZ	AN	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.LNGTH	SHIPMENT-UNIT-PIECE LENGTH DIMENSION	Length of the item in inches.	0	5	0-99999	N	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.MPE	BASIC-SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE	Mode to Port of Embarkation (MPOE)	0	1	1,2,9,A,E,F,K,O,W	AN	FORSCOM Reg 55-2, table 5-A FORSCOM Reg 55-2, Chapter 5
EQUIPLST.PACK	SHIPMENT-UNIT TYPE PACK CODE	Type pack code identifies the type of packing associated with the item being shipped.	0	2	FORSCOM Reg, Table 5-5	A	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.SHC	WATER-SPECIAL-HANDLING CODE	Identifies the specific special handling a commodity requires	0	1	FORSCOM Reg 55-2, Table 5-3	AN	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.SUN	(Not found in DDDS)	An identifier for a piece of equipment/cargo belonging to a UIC in association with a specific Type Data Code.	0	4	D, E, F, G0001-9999	AN	The Record Type plus the Unit Entry Number combine to create the Shipment Unit Number (SUN). The first position is alphabetic and the last four are numerics. FORSCOM Reg 55-2, Chapter 5
EQUIPLST.SUN(CARD)	(Not found in DDDS)	An alpha character that identifies the type of UEL record.	1	1	A, D, E, F, G, H, J, B	A	FORSCOM Reg 55-2, Chapter 5.
EQUIPLST.TCC	WATER-TYPE-CARGO CODE	Type Cargo Code	0	1	FORSCOM Reg 55-2, Table 5-2	A	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.UIC	ORGANIZATION IDENTIFIER	UIC of the reporting unit.	0	6		AN	No Os. FORSCOM Reg 55-2, Chapter 5
EQUIPLST.VEHLIND	(Not found in DDDS)	A code to indicate whether the item is a load or not a load	0	1	1, 0	N	1 indicates the item is a load. 0 indicates the item is not a load. FORSCOM Reg 55-2, Chapter 5

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
EQUIPLST.WAIVER	(Not found in DDDS)	A code to indicate that the cargo item has one or more dimensions that are not according to the maximum and minim limits in TB 55-A6-1	0	1	X	A	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.WIDTH	SHIPMENT-UNIT-PIECE WIDTH DIMENSION	Width of the item in inches.	0	5	0-99999	N	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.WTACT	SHIPMENT-UNIT-PIECE WEIGHT	Actual weight of the item in pounds.	0	7	0-9999999	N	FORSCOM Reg 55-2, Chapter 5
EQUIPLST.WTPLAN	SHIPMENT-UNIT-PIECE WEIGHT	The planned weight for a shipment unit.	0	6	0-9999999	N	FORSCOM Reg 55-2, Chapter 5
ETA	(Not found in DDDS)	Estimated Time of Arrival	14	14	DDHHMMZMMM YYYY	AN	FORSCOM Reg 55-2, Chapter 5
FAHRENHEIT	TRANSPORTATION-EQUIPMENT MAXIMUM TEMPERATURE	The degrees associated with a reefer van.	5	5	F, X and numerics	AN	DoD 4500.32-1-R, App D and 2B1b
FILLER1	(NOT USED BY GTN)	Spaces or data not used by GTN.	1	1		N/A	TC-AIMS II data element
FILLER16	(NOT USED BY GTN)	Spaces or data not used by GTN.	16	16		N/A	TC-AIMS II data element
FILLER2	(NOT USED BY GTN)	Spaces or data not used by GTN.	2	2		N/A	TC-AIMS II data element
FILLER3	(NOT USED BY GTN)	Spaces or data not used by GTN.	3	3		N/A	TC-AIMS II data element
FILLER4	(NOT USED BY GTN)	Spaces or data not used by GTN.	4	4		N/A	TC-AIMS II data element
FILLER5	(NOT USED BY GTN)	Spaces or data not required or used by GTN.	5	5		N/A	TC-AIMS II data element
FILLER56	(NOT USED BY GTN)	Spaces or data not required or used by GTN.	56	56		N/A	TC-AIMS II data element
FILLER6	(Not found in DDDS)	Spaces or data not used by GTN	6	6		N/A	TC-AIMS II data element.
FILLER9	(Not found in DDDS)	Spaces to fill TC-AIMS II unique data area not used by GTN.	9	9		N/A	TC-AIMS II data element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
FLT_ARR_DATE	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL ARRIVE DATE	Year, month, and day flight arrived at POD.	8	8	YYYYMMDD	N	TC-AIMS II Data Element.
FLT_ARR_HR	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL ARRIVE TIME	Hour flight arrived at POD.	1	1	DoD 4500.32-1-R, App F7	A	TC-AIMS II Data Element.
FLT_DEP_DATE	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL DEPART DATE	Year, month, and day flight departed POE.	8	8	YYYYMMDD	N	TC-AIMS II Data Element.
FLT_DEP_HR	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL DEPART TIME	Hour flight departed POE.	1	1	DoD 4500.32-1-R, App F7	A	DoD 4500.32-1-R, App F7Letters “I” and “O” omittedA = 0000 - 0059B = 0100 - 0159...,2 =2300 - 2359 ...Z = 2300 - 2359DoD 4500- 32-1-R, Fig 3-C-1
FSC	MATERIEL-ITEM- MANAGEMENT- FEDERAL-SUPPLY- CLASS IDENTIFIER	The Federal Supply Class of the shipment unit being shipped by air.	5	5		N	DoD 4500.32-1-R, App D.
GBL_NBR	LADING-BILL IDENTIFIER	Number used to identify a Government Bill of Lading.	8	8		AN	AR 55-355
GEOLOC	GEOLOCATION CODE	Geographical Location : Longitude and Latitude	4	4		AN	TC-AIMS II data element
H_CONSTANT	(Not found in DDDS)	Character to identify height.	1	1	H	A	Follows the numerics for height of cargo/piece. DoD 4500-32-1-R, Fig D-8
HEADER_IND	(Not found in DDDS)	Code that identifies the data as the header information for a COMPASS report	6	6	XXXXXX	A	TC-AIMS II data element
HOST_NATION_ID	(Not found in DDDS)	ID for Host Nation Individual who does not have a SSN	0	15		AN	TC-AIMS II data element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
HR_OLD_PC	(Not found in DDDS)	Hour of oldest piece of cargo on the pallet. The oldest piece has been at the POE the longest.	1	1	DoD 4500.32-1-R, App F7	A	Letters "I" and "O" omittedA = 0000 - 0059 B = 0100 - 0159 ..., Z = 2300 -2359. DoD 4500-32-1-R, Fig 3-C-2
HR_PROC	(Not found in DDDS)	Hour cargo processed by the system.	1	1	DoD 4500.32-1-R, App F7	A	Letters "I" and "O" omittedA = 0000 - 0059B = 0100 - 0159 ..., Z = 2300 - 2359. DoD 4500-32-1-R, Fig 3-C-2
HR_RCVD	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT TIME	Hour cargo received at the aerial port.	1	1	DoD 4500.32-1-R, App F7	A	Letters "I" and "O" omittedA = 0000 - 0059B = 0100 - 0159..., Z = 2300 - 2359. ...DoD 4500-32-1-R, App D
HR_SHIP	BASIC-SHIPMENT-UNIT-FACILITY SHIP TIME	Hour cargo/pallet shipped from the aerial port.	1	1	DoD 4500.32-1-R, App F7	A	Letters "I" and "O" omittedA = 0000 - 0059B = 0100 - 0159 ..., Z = 2300 -2359. DoD 4500-32-1-R, Fig 3-C-3
IDENT_NBR	(Not found in DDDS)	The identification number (ID) is from the IMDGC or other publication.	4	4	Title 49 CFR	SAN	DoD 4500-32-1-R, Fig D-9 and 2B1b(15)(a)
ITEM DESCRIPTION	(Not found in DDDS)	Plain Text description of Item	17	17		N/A	TC-AIMS II data element
L_CONSTANT	(Not found in DDDS)	Character to indicate length.	1	1	L	A	Follows the numerics for length of cargo. DoD 4500-32-1-R, Fig D-8 and 2B1b(8)
LAST_FIVE_LIC_NO	(Not found in DDDS)	Last five characters of the license plate on the vehicle.	5	5		SAN	DoD 4500-32-1-R, Fig D-11.
LICENSE_STATE	PRIVATELY-OWNED-VEHICLE STATE CODE	The abbreviation for the state issuing the vehicle license plate.	2	2		A	DoD 4500-32-1-R, Fig D-11. If no state is known, NO is entered.

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
LOT_NR	(Not found in DDDS)	This indicates the number assigned to the lot.	14	14		X	DoD 4500-32-1-R, Fig D-10 and 2B1b(15)(a)
MESSAGE_NUMBER	(Not found in DDDS)	The sequence number of the transaction to assist in the sequential processing of the transactions.	4	4		N	TC-AIMS II data element
MFST	(Not found in DDDS)	This indicates the beginning or end of a group of manifests.	4	4	Four Spaces, ONLY, FRST, LAST	SA	When there are more than three manifests sent at the same time, the first one contains "FRST", the in between ones contain spaces and the last one contains "LAST".TC-AIMS II data element
MFST_CUBE	(Not found in DDDS)	A value indicating the total cubic feet of pallets and loose cargo on the manifest.	5	5	00001-99999	SN	DoD 4500-32-1-R, Fig 3-C-1
MFST_NBR	AIR-MANIFEST IDENTIFIER	Last five digits of manifest number left zero filled, if necessary.	5	5		N	DoD 4500-32-1-R, Fig 3-C-1
MFST_REF	AIR-MANIFEST REFERENCE CODE	The manifest reference code ties manifest header with the detail records.	2	2	DoD 4500.32-1-R, App F1	A	For air manifest the reference code is ALWAYS double alpha. Letters "I" and "O" not used.AA..AH AJ..AN AP..AZ BA..=air manifests.DoD 4500-32-1-R, Fig 3-C-1
MFST_STN	FACILITY IDENTIFIER	Air terminal code for manifesting station.	3	3	DoD 4500.32-1-R, App F4	A	DoD 4500-32-1-R, Fig 3-C-1
MFST_TYPE	AIR-MANIFEST CATEGORY CODE	Type of manifest.	1	1	C, M	A	"C" for cargo or "M" for mail. DoD 4500-32-1-R, Fig 3-C-1
MFST_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Total manifested weight of pallets and loose cargo, in pounds.	6	6	000001-999999	SN	DoD 4500-32-1-R, Fig 3-C-1
MILITARY_S_CODE	OCCUPATION IDENTIFIER	Passenger's military job code.	0	11		X	AMC Manual 76-6, Vol 1
MOD_CUBE	SHIPMENT-UNIT VOLUME	Cubic feet of shipment unit, pallet, or lot.	4	4	DoD 4500.32-1-R, Section B,	AN	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD

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TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
					2B1b(7)(d)		4500-32-1-R, chap 3 and App D

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
MOD_HGT	AIR-CARGO-LOAD-UNIT HEIGHT DIMENSION	Height of a pallet or shipment unit in inches.	3	3	001-999	N	DoD 4500-32-1-R, Fig 3-C-2
MOD_ID	(Not found in DDDS)	Pallet designator.	2	2	A-H, J-N, P-Z, 1-9	AN	Letters "I" and "O" and number "0" omitted. DoD 4500-32-1-R, Fig 3-C-2
MOD_PC	(Not found in DDDS)	The number of cargo pieces on a pallet or in a shipment unit or a lot.	4	4	DoD 4500.32-1-R, Section B, 2B1b(7)(d)	C	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD 4500-32-1-R, Fig 3-C-2 and D-10
MOD_TYPE_CARGO	(Not found in DDDS)	Flag to indicate if cargo requires special handling.	1	1	G, S, M, U	A	Alphabetic: "G" = general cargo; "S" = cargo requiring special handling; "M" = mixtures of G and S; U = mail DoD 4500-32-1-R, Fig 3-C-1
MOD_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Weight in pounds of pallet, shipment unit, or lot.	5	5	DoD 4500.32-1-R, Section B, 2B1b(7)(d)	C	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD 4500-32-1-R, Chap 3 and App D
MODE	BASIC-SHIPMENT-UNIT-TRANSPORTATION CODE	Transportation mode of the conveyance. (MODE to POE)	1	1	DoD 4500.32-1-R, App F13	AN	DoD 4500-32-1-R, 2B1b(9)
MODEL	GOVERNMENT-VEHICLE MODEL NAME	Vehicle type and model number.	6	6		X	DoD 4500-32-1-R, Fig D-8 and 2B1b(15)(b)
MODEL_YEAR	(Not found in DDDS)	The last two digits of the POV model year and the first four letters of the POV make; i.e., 97CHEV	6	6		AN	DoD 4500-32-1-R, Fig D-11.
MSN_ID	AIR-TRANSPORT-MISSION IDENTIFIER	Mission number assigned by aircraft controlling agency. Identifier for a leg being flown by an aircraft.	12	12		X	DoD 4500-32-1-R, Fig 3-C-1. For PAX Manifest: AMC Manual 76-6, Vol 1
NEW	(Not found in DDDS)	The net weight of explosive material.	6	6	000001-999999	X	DoD 4500-32-1-R, Fig D-10 and 2B1b(15)(a)

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
NOMENCLATURE	MATERIEL-ITEM DESCRIPTION TEXT	Description of the item.	6	6		X	DoD 4500-32-1-R, App D.
NSN	MATERIEL-ITEM IDENTIFIER	National stock number (NSN).	13	13		SAN	Left justified value "NNSN" with space fill used to indicate no NSN exists for item. DoD 4500-32-1-R, Fig D-9 and 2B1b(10)
ON_MODE	BASIC-SHIPMENT- UNIT-FACILITY TRANSPORTATION MODE CODE	Onward mode of transportation from the APOE.	1	1	DoD 4500.32-1-R, appendix F13	AN	DoD 4500-32-1-R, Fig 3-C-2
ORIGIN_CITY	(Not found in DDDS)	City of the origin of the conveyance.	0	20		A	AR 55-355, chapter A7-16
ORIGIN_STATE	(Not found in DDDS)	State or country code of the origin of the conveyance.	0	2		A	AR 55-355, chapter A7-16
OVRHNG_DIR	PALLETIZED- TRANSPORTATION- UNIT OVERHANG DIRECTION CODE	Indicating the direction where cargo overhangs the pallet.	1	1	A, B, F, space	A	A = Aft, F = Fore, B = Both, or space = no overhang DoD 4500-32-1-R, Fig 3-C-2
OWNER_GRADE	(Not found in DDDS)	Military grade code	2	2		AN	DoD 4500.32-1 R, Fig D-10 and D-11
OWNER_INITIALS	PERSON NAME TEXT	Owners initials	2	2		A	
OWNER_LAST_NAME	(Not found in DDDS)	Personal property owner's last name.	13	13		X	DoD 4500-32-1-R, Fig D-11.
PALLET_SER_NBR	PALLETIZED- TRANSPORTATION- UNIT IDENTIFIER	Serial number assigned by pallet loading activity other than the air terminal.	3	3	1-999	SN	DoD 4500-32-1-R, Fig 3-C-2
PAX NAME	PERSON-NAME TEXT	Passenger Name	27	27		SA	Last Name, First Initial, Middle Initial
PAX_CHANNEL_POD	LOCATION IDENTIFIER	Passenger's ultimate POD.	0	3	DoD 4500-32-R, Vol 1, App F4	X	DoD 4500-32-R, Vol 1, App D



**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
PAX_CHANNEL_POE	LOGISTICS-EVENT PROJECT IDENTIFIER; OPERATION- MOVEMENT- REQUIREMENT PROJECT IDENTIFIER	POE from which the passenger originated.	0	3	DoD 4500-32-R, Vol 1, App F4	X	DoD 4500-32-R, Vol 1, App D
PAX_GENDER	PERSON SEX CODE	Male or female.	0	1	M, F	A	TC-AIMS II - GTN agreed to data element
PAX_MAN_A_C_LOAD	(Not found in DDDS)	Number of seats for the passengers.	0	3		SN	AMC Manual 76-6, Vol 1
PAX_MAN_ARRIV_ DATE	AIR-TRANSPORT- MISSION-SET-POINT PLANNED ARRIVE DATE	Planned arrival date of the conveyance at destination.	0	5	YYDDD	N	AR 55-355, chapter A7-16
PAX_MAN_ARRV_ TIME	AIR-TRANSPORT- MISSION-SET-POINT PLANNED ARRIVE TIME	Planned arrival time of the conveyance.	0	4	HHMM	N	AR 55-355, chapter A7-16
PAX_MAN_CAT_OF_ SER	AIR-TRANSPORT- MISSION CATEGORY OF SERVICE	Category of service for AMC aircraft.	0	1	AMC Manual 76-7, Vol 1, Attachment 11	N	AMC Manual 76-7, Vol 1
PAX_MAN_CONV_NUM	TRANSPORTATION- EQUIPMENT IDENTIFIER	Aircraft tail number, bus number.	0	8		X	TC-AIMS II - GTN agreed to data element
PAX_MAN_DATE	(Not found in DDDS)	Date the manifest was created in the system.	0	7		X	TC-AIMS II - GTN agreed to data element
PAX_MAN_DEPT_DATE	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL DEPART DATE	Date conveyance departed.	0	5	YYDDD	N	Last two dates of the year and the current Julian day. TC-AIMS II - GTN agreed to data element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
PAX_MAN_DEPT_TIME	AIR-TRANSPORT- MISSION-SET-POINT ACTUAL DEPART TIME	Time conveyance departed.	0	4	HHMM	N	AMC Manual 76-6, Vol 1
PAX_MAN_MISSION_ID	AIR-TRANSPORT- MISSION IDENTIFIER	Identifying designator for the conveyance.	0	12		X	AMC Manual 76-6, Vol 1
PAX_MAN_MODE	TRANSPORTATION MODE	Transportation mode of the conveyance.	0	1	DoD 4500.32R Vol I, App F13	A	DoD 4500.32-1-R, 2B1b(9)
PAX_MAN_TYPE_ CONV	AIR-TRANSPORT MODEL IDENTIFIER, AIR-TRANSPORT SERIES IDENTIFIER, TRANSPORTATION- EQUIPMENT-TYPE CODE	Model/series for aircraft and bus type or size.	0	5		X	TC-AIMS II - GTN agreed to data element
PAX_MANIFEST_ID	(Not found in DDDS)	Station-unique identifier for the manifest.	0	14		X	TC-AIMS II - GTN agreed to data element
PAX_NO_OF_BAGS	(Not found in DDDS)	Total number of bags for the passenger.	0	1	0-9	N	AR 55 355, chapter A7-16
PAX_RES_ID_CODE	SPACE-REQUIRED- REQUEST-EVENT IDENTIFIER	Reservation identification code.	0	9		X	AMC Manual 76-6, Vol 1
PAX_SEQUENCE_NOV	AIR-PASSENGER- RESERVATION BOARDING PASS IDENTIFIER	Passenger's sequence number, boarding pass or seat number.	0	3		X	AMC Manual 76-6, Vol 1
PAX_UIC	ORGANIZATION IDENTIFIER	UIC of the unit the passenger is assigned to.	0	6		X	AR 55-355, chapter A7-16
PAX_UIC_NAME	ORGANIZATION- NAME TEXT	In the clear name of the unit.	0	30		X	AR 55-355, chapter A7-16
PAX_ULN_UIC_PIN	PERSON- ORGANIZATION IDENTIFIER	UIC or ULN to which the passenger is assigned.	0	7		X	AR 55 355, chapter A7-16

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
PAX_WEIGHT_BODY	(Not found in DDDS)	Passenger's weight, clothed, in pounds.	0	3	001-500	N	TC-AIMS II - GTN agreed to data element
PER_PROP_CD	PERSONAL-PROPERTY-SHIPMENT-UNIT SERVICE TYPE CODE	Indicates cargo is palletized personal property.	1	1	B, H, J, K, P, T	SA	B = Personal Bag, H = HHG, J = Personal Bag - ITGBL, K = HHG - ITGBL, P = POV, T = HHGDoD 4500-32-1-R, Fig D-11
POD	FACILITY IDENTIFIER	Port of debarkation of the conveyance.	3	3	DoD 4500.32-1-R, App F21 and F4	AN	DoD 4500.32-1-R, App D
POE	FACILITY IDENTIFIER	Port of embarkation of the conveyance.	3	3	DoD 4500.32-1-R, App F21 and F4	AN	DoD 4500.32-1-R, App D
POE_ETA	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT DATE	Estimated time of arrival in terms of how many days it will take to travel from origin to the POE.	1	1	DoD 4500-32-1-R, App F9	X	DoD 4500-32-1-R, App D and 2B1b.
PORT_TIME_ZULU	(Not found in DDDS)	Year, month, date and time the aircraft lifted.	12	12	YYYYMMDDHHMM	N	TC-AIMS II Data Element.
PR_DOC_CUBE	SHIPMENT-UNIT VOLUME	Size of primary document item in cubic feet.	4	4	DoD 4500.32-1-R, Section B, 2B1b(7)(d)	C	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD 4500-32-1-R, Fig D-8 and 2B1b(7)
PR_DOC_PC	(Not found in DDDS)	Pieces of cargo that meet the primary document items dimensions.	4	4	DoD 4500.32-1-R, Section B, 2B1b(7)(d)	C	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD 4500-32-1-R, Fig D-8 and 2B1b(7)
PR_DOC_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Primary document cargo item weight in pounds.	5	5	DoD 4500.32-1-R, Section B, 2B1b(7)(d)	C	May contain space, "-" or "&". Uses alpha letters A-J and W. DoD 4500-32-1-R, Fig D-8 and 2B1b(7)
PRIORITY	BASIC-SHIPMENT-UNIT TRANSPORTATION PRIORITY CODE	General priority class of cargo.	1	1	DoD 4500-32-1-R, Fig 2-B-1: 1,2,3,4	N	Zero not valid. DoD 4500-32-1-R, App D
PROC_TIME	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT DATE; BASIC-SHIPMENT-UNIT-FACILITY RECEIPT TIME	Year, month, date and hour cargo processed by the facility.	10	10	YYYYMMDDHH	N	DoD 4500.32-1-R, Fig3-C-2

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
PROGRAM	(Not found in DDDS)	Local system defined. Code used to identify the external system Computer Software ConFiguration Item (CSCI) processing the original manifest.	2	2		AN	TC-AIMS II Data Element
PROJECT	LOGISTICS-EVENT PROJECT IDENTIFIER	Unique code associated with a particular event, project, operations, exercises	3	3	DoD 4000.25-1-M, App B13	X	TC-AIMS data element
PROT_CGO_CD	(Not found in DDDS)	Code to identify the shipment unit is protected cargo.	1	1	DoD 4500.32-1-R, Vol 1, App F2	AN	DoD 4500-32-1-R, Fig 3-C-2
RANK_CODE	UNIFORMED- SERVICE-RANK SHORT NAME	Military or civilian title.	0	3	AMC Manual 76-6, Vol 1, Attachment 5	X	AMC Manual 76-6, Vol 1
RANK_SERVICE_CODE	UNIFORMED- SERVICE- ORGANIZATION CODE	Branch of service the person is a assigned to or associated with.	0	2	AMC Manual 76-6, Vol 1, Attachment 9A, F, N, M, X	A	AMC Manual 76-6, Vol 1
RCPT_TIME	BASIC-SHIPMENT- UNIT-FACILITY RECEIPT DATE; BASIC-SHIPMENT- UNIT-FACILITY RECEIPT TIME	Year, month, date and hour cargo received.	10	10	YYYYMMDDHH	N	TC-AIMS II Data Element
RDD	REQUISITION- DETAIL REQUIRED DELIVERY DAY IDENTIFIER	Required delivery date.	3	3	DoD4500.32-R, Vol 1, App F23DoD 4000.25-1-M	X	DoD 4500-32-1-R, App D and 2B1b(3)
RECORD_TYPE	(Not found in DDDS)	Code for a Transaction Header record.	1	1		N	FORSCOM Reg 55-2, Chapter 5.
REMARKS_TEXT	SHIPMENT-UNIT REMARKS TEXT	Additional information for about a shipment unit.	26	26		X	Used in TCMD trailer records. DoD 4500-32-1-R, App D

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
SCHED_ORIGIN_DAY	AIR-TRANSPORT- MISSION-SET-POINT PLANNED DEPART DATE	Scheduled origination date.	3	3	JJJ	N	TC-AIMS II Data Element.
SEAL_NBR	TRANSPORTATION- EQUIPMENT-SEAL IDENTIFIER	The identifying number of the seal used on the door of the closed container	8	8		X	DoD 4500-32-1-R, App D and 2B1b.
SEAVAN/MILVAN_ OWN_CD	(Not found in DDDS)	A code that identifies the owner of the container.	4	4	DoD 4500-32-1-R, App F12	SAN	DoD 4500-32-1-R, App D and 2B1b.
SEND_BOUND_UNIT	(Not found in DDDS)	Internal system code.	1	1		A	Defined for use by the system. TC- AIMS II Data Element.
SENDER	(Not found in DDDS)	Identifies the e-mail address of the installation that is sending the COMPASS data	1	999999		A	TC-AIMS II data element. Not fixed length.
SEQ_IND	(Not found in DDDS)	An alpha character assigned sequentially to each trailer Transportation Control Movement Document (TCMD), of the same type, for the same shipment unit.	1	1	A-Z	A	DoD 4500-32-1-R, App D.
SEQ_NBR	(Not found in DDDS)	A number assigned sequentially to each trailer Transportation Control Movement Document (TCMD), of the same type, for the same shipment unit.	1	1	1-9	N	DoD 4500-32-1-R, App D
SERIAL_NBR	MATERIEL- SERIALIZED-ASSET IDENTIFIER	Number associated with a specific government vehicle/trailer.	13	13		X	DoD 4500-32-1-R, App D
SET_TIME	(Not found in DDDS)	System Entry Time for item. This is the time the item is first received into the AMC system.	10	10	YYYYMMDDHH	N	YY YY is year of century, MM in month, DD is the day of the year, and hh is hour of the day. TC- AIMS II Data Element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
SHDR_OUT.CARSUM	TRANSPORTATION-EQUIPMENT IDENTIFIER	Identifying number of the conveyance associated with the departing cargo. Could be the convoy clearance number.	15	15		X	FORSCOM Reg 55-2, Chapter 5.
SHDR_OUT.MPOE	BASIC-SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE	The mode of the departing cargo.	1	1		A	FORSCOM Reg 55-2, Chapter 5. DoD 4500-32-1-R, App F13-1
SHDR_OUT.PAX	TRANSPORT-MISSION-LOAD PASSENGER COUNT QUANTITY	Number of passengers departing.	5	5		N	FORSCOM Reg 55-2, Chapter 5.
SHDR_OUT.SC_DATE	(Not found in DDDS)	Date time group of the departure of the cargo being reported.	14	14		AN	FORSCOM Reg 55-2, Chapter 5.
SHDR_OUT.TRAINASSOR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Identifying number of a train carrying the departing cargo.	15	15		X	FORSCOM Reg 55-2, Chapter 5.
SHORT_SHELF_ITEM_CODE	(Not found in DDDS)	A code used to identify shipment units with short shelf lives that are shipped via air.	1	1	K, M, Z	A	DoD 4500-32-1-R, Figure D-2 and D-7. K = GSA managed sealants/adhesives, M = medical items, Z = all others.
SITE_ID		Site Address of Transmission	0	50		X	
SPC_DUTY_IND	(Not found in DDDS)	Identifies a special duty responsibility of the passenger.	2	2	TC, CC	A	TC = Troop Commander, CC = Cargo Courier. TC-AIMS II data element
SPC_PAX_CAT_CODE	(Not found in DDDS)	Identifies the category in which the passenger is traveling.	0	1	AMC Manual 76-6, Vol 1, Attachment 6	A	AMC Manual 76-6, Vol 1
SPEC_PRTY	SHIPMENT-UNIT GREENSHEET CODE	Special priority.	1	1	E, F, G, N, 4, 5, 7, 9	AN	DoD 4500.32-1-R, Fig. 3-C-2
SSN_PERSON_ID	PERSON IDENTIFIER	Passenger's social security number, if available, or a passport number.	9	9		X	AMC Manual 76-6, Vol 1

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
STOP_OFF_LOC	ORGANIZATION IDENTIFIER	DoDAAC for the location of the stop-off.	6	6	DoD 4000.25-1-M	X	DoD 4500.32-1-R, App D
STOP_OFF_NBR	SHIPMENT-UNIT STOPOFF CODE	Number of the stop made by a consolidation container at which the shipment unit is taken out of the consolidation container	6	6	STOP and 00-99	AN	DoD 4500.32-1-R, Fig D-14.
STOPOFF_DELIVERY_ CODE	(Not found in DDDS)	A code to indicate the association between a shipment/transportation unit and the stop-offs made by the consolidation container.	1	1	x,1-9	AN	DoD 4500. 32-1-R, Fig D-6 and Fig D-7
SUBMISSION_DATE	(Not found in DDDS)	Date the report was sent	9	9	DDMMMYYYY	AN	TC-AIMS II - GTN agreed to data element.
SYSTEM_TIME_LOCAL	(Not found in DDDS)	System Time Local	9	9	YYYYJJJHHMM	N	Date in format where YYYY is year of the century, JJJ is day of year, HH is hour of day, and MM is minute of hour.
T21MISSIONID	AIR-TRANSPORT- MISSION IDENTIFIER	Mission number assigned by aircraft controlling agency.	0	12		AN	DoD 4500.32-1-R, Fig. 3-C-1
TAC	TRANSPORTATION ACCOUNT CODE	Transportation account code which identifies the appropriate Service, Agency, or contractor account to be charged for transportation.	4	4		X	DoD 4500-32-1-R, Figs D-2 and D-7 and 2B1b(14)
TCN	SHIPMENT-UNIT IDENTIFIER; TRANSPORTATION- UNIT IDENTIFIER	Transportation control number (TCN).	17	17	DoD 4500.32-1-R, App C	TCN	May include the special character "\$".DoD 4500-32-1-R, App D and 2B1b(6)
TCN_CONT	TRANSPORTATION- UNIT IDENTIFIER		17	17	DoD 4500.32-1-R, App C	TCN	May include the special character "\$".DoD 4500-32-1-R, App D and 2B1b(6)
TIEDOWN	(Not found in DDDS)	Indicating cargo tiedown types used in aircraft.	1	1	C, S, N, M	A	C = Chain, S = Straps, N = Net, M = MixtureDoD 4500-32-1-R, Fig 3-C-2

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
TOTAL_CUBE	SHIPMENT-UNIT VOLUME	Size of primary document item in cubic feet. Cubic feet of a single cargo item or consolidated cargo items.	4	4		C	DoD 4500.32-1-R
TOTAL_NUMBER_ PIECES	(Not found in DDDS)	total pieces of cargo	4	4		C	TC-AIMS II data element.
TOTAL_STRENGTH	(Not found in DDDS)	Unit total strength	4	4		N	TC-AIMS II data element
TRANS_FLT_NBR	(Not found in DDDS)	First nine characters of the mission ID being flown.	9	9		AN	DoD 4500-32-1-R, Fig 3-C-1
TRANS_ID	(Not found in DDDS)	Identifies the message type.	3	3	400, 505	N	400 lift manifest 505 abort manifest. TC-AIMS II Data Element.
TRANS_PRI_CD	BASIC-SHIPMENT- UNIT TRANSPORTATION PRIORITY CODE	Transportation Priority Code:1. For SU, Trans Priority Code of the SU.2. For RORO, SEAVAN/MILVAN, or Consolidated Container, it is the highest transportation priority of any shipment unit loaded in the RORO, SEAVAN/ MILVAN, or Consolidated Container.	3	3	1,2,3,4DoD 4500.32-1-R-1, Fig 2-B-1	X	Database Spec App D
TRANS_REC_CNT	(Not found in DDDS)	Number of records between TAA and TZZ records of manifest.	4	4		N	TZZ record not included in count TC-AIMS II data element
TRANSACTION_CODE	(Not found in DDDS)	Code to indicate it is a Transaction Header for IBS data or for ISR data.	1	1	A= IBS data (old name = Automated System for Processing Unit Requirements- ASPUR); I = ISR data	A	TC-AIMS II data element
TRANSACTION_DATE	(Not found in DDDS)	Date the IBS or ISR transaction was sent.	3	3	JJJ	AN	TC-AIMS II data element
TRANSACTION_TIME	(Not found in DDDS)	Time the IBS or ISR transaction was sent.	4	4	HHMM	N	TC-AIMS II data element



**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
TRANSCD	(Not found in DDDS)	The type of transaction that the record will perform.	0	1	A, C, D	A	A = add, it is a brand new record that has to added to the database. C = change, some of the data has been changed and the record has to be updated. D = delete, the record no longer exists in the source table. FORSCOM Reg 55-2, Chapter 5
TRK_DEP_DATE	(Not found in DDDS)	Year, month, and Day code for the day the truck left with the loaded cargo.	8	8	YYYYMMDD	N	TC-AIMS II Data Element.
TRK_DEP_HR	(Not found in DDDS)	Hour code for the hour when the loaded truck departed the origin.	1	1	A-Z	A	O and I excluded A = 0000-0059, B = 0100 - 0159..., Z = 2300 - 2359. TC-AIMS II Data Element.
TRK_SERIAL_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Truck number of the truck transporting cargo.	10	10		AN	Used when the manifest document identification number (ID) is TAT.TC-AIMS II Data Element
TRK_SERIAL_NBR (TAT)	(Not found in DDDS)	Truck number of the truck transporting cargo.	9	9		AN	TC-AIMS II Data Element.
TXN_TYPE	(Not found in DDDS)	Identifies the end of an ISR record.	2	2	C9	AN	FORSCOM Reg 55-2, Chap 5
TYPE_DATA_CODE	(Not found in DDDS)	Type data code that identifies a unit move.	0	2		A	TC-AIMS II - GTN agreed to data element
TYPE_MOD_CD	(Not found in DDDS)	Type of module.	1	1		A	DoD 4500-32-1-R, Fig 3-C-2. CMOS use the same codes as CAPS II.
TYPE_PK_CD	SHIPMENT-UNIT TYPE PACK CODE	Type pack code identifies the type of packing associated with the item being shipped.	2	2	DoD 4500.32-1.R, App 14	AN	DoD 4500.32-1.R, App D
UIC	(Not found in DDDS)	Unit Identification Code	6	6		X	

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
ULN	(Not found in DDDS)	Code to identify a type of Unit Identifier. For PAX Manifest: ULN of which the passenger is a member.	4	4	ULN:	SA	ULN includes a colon. DoD 4500-32-1-R, Fig D-12
ULN_NBR	(Not found in DDDS)	A Unit Line Number (ULN) that identifies an organization as being part of an Operation Plan (OPLAN).	6	6		X	DoD 4500-32-1-R, Fig D-12
UN_NA	(Not found in DDDS)	Literally UN or NA. The prefix for IMDGC ID.	2	2	UN, NA	A	DoD 4500-32-1-R, Fig. D-9 and 2B1b(15)(a)
USED_VAN_LN	(Not found in DDDS)	Length of feet used to load the shipment units in the container.	2	2	01-99	N	DoD 4500.32-1.R, App D and 2B1b
VAN_CUBE_CAP	TRANSPORTATION-EQUIPMENT EXTERNAL VOLUME	Size of the primary document item in cubic feet. Cubic feet of the shipment unit , consolidated cargo item or container.	4	4	0001-9999, May contain space, “-” or “&” and alpha letters A-J and W.	AN	DoD 4500.32-1.R, 2B1b(7)(d).
VAN_INDICATOR	(Not found in DDDS)	Code to indicate a type of van.	1	1	V	A	Always “V”. DoD 4500.32-1.R, App D and 2B1b.
VAN_LENGTH_ORDERED	ORDERED-TRANSPORTATION-EQUIPMENT-TYPE LENGTH DIMENSION	Foot length of the size of the van ordered.	2	2		N	DoD 4500.32-1.R, App D and 2B1b.
VAN_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Part of the van’s identifying number	8	8		N	DoD 4500.32-1.R, App D and 2B1b
VEH_ID.LOADCODE	(Not found in DDDS)	Code to identify one load from another.	0	2	A-N, except I & O.1-9	AN	TC-AIMS II data element
VEH_ID.LOADDESC	SHIPMENT-UNIT REMARKS TEXT	Description of the cargo load	0	25		X	Text. TC-AIMS II data element
VEH_ID.QTY	SHIPMENT-UNIT-PIECE QUANTITY	Number of cargo pieces represented by the load entry.	0	4	0001-9999	N	TC-AIMS II data element

**Table 3-3. GTN TC-AIMS II Data Definitions. (cont'd)**

TC-AIMS II Data Element Name	DoD Standard Data Element Name	Description	Min	Max	Limits/Ranges	Legal Check	Comments
VEHICLE_COLOR	PRIVATELY-OWNED- VEHICLE COLOR NAME	Abbreviation for the predominate vehicle color.	3	3		A	DoD 4500-32-1-R, Fig D-11.
VN_INDICATOR	(Not found in DDDS)	Code to indicate a type of van.	2	2	VN	A	Always "VN" DoD 4500.32-1-R, App D and 2B1b.
W_CONSTANT	(Not found in DDDS)	Character to identify width.	1	1	W	A	Follows numeric for width of cargo/piece. DoD 4500-32-1-R, Fig. D-5 and 2B1b(8)
WEIGHT_BAGGAGE		Weight in pounds of baggage	3	3	000-999	N	DoD 4500.32-1R, 2B1b(7)(9d)
WTR_CMDTY_CD	WATER- COMMODITY CODE	Water Commodity Code as listed in MILSTAMP.	5	5	DoD 4500.32-1-R, App F20	X	DoD 4500.32-1-R, App D and 2B1b.
WTR_CMDTY_CDF	WATER- COMMODITY CODE	Water Commodity Code as listed in MILSTAMP.	3	3	DoD 4500.32-1-R, App F20	X	For TCAIMS II COMPASS RECORD F
YEAR		4 digit year	0	4		N	TC-AIMS II data element
YR	AIR-MANIFEST FISCAL YEAR IDENTIFIER	The last significant digit of the fiscal year (e.g., year of decade).	1	1	0-9	N	DoD 4500-32-1-R, Fig. 3-C-1
ZIP_CODE	(Not found in DDDS)	Zip code for the origin location of the container.	6	6	X and numerics	AN	DoD 4500.32-1-R, App D and 2B1b.

### 3.2.2 TC-AIMS II Transaction Description

The transactions transmitted from TC-AIMS II to the GTN system are a logically ordered set of one or more of the data elements described in Table 3-4. Each data element within the transaction is assigned a label that is unique with respect to the labels of the remaining data elements comprising the transaction. A data element that is so labeled is referred to as a field of the transaction with the label being the field name. Each transaction has a format that is uniquely determined by the names, positions, and lengths of the fields that comprise the transaction.

#### 3.2.2.1 TC-AIMS II Transaction Structure Description

A transaction is realized as an ordered sequence of data elements. All transactions will be comprised of the general data elements described in Table 3-3. Formats, descriptions, constraints, and examples for the transactions that are sent to the GTN from TC-AIMS II are provided in paragraph 3.2.4. Only the transaction formats used by GTN are discussed. Fields which are omitted in a transaction or are empty must be filled with spaces.

#### 3.2.2.2 TC-AIMS II Transaction Names

Multiple types of transactions are sent from TC-AIMS II to GTN. The assembled transactions become a passenger manifest, unit equipment list, or an installation situation report. The names of these transactions are as listed in Table 3-4.

**Table 3-4. TC-AIMS II Transactions.**

Transaction	Standard Short Name	Input/Output
UEL (COMPASS) Transaction Hdr	XXX	Input
UEL (COMPASS) A Hdr	A	Input
ISR Departure Record	B	Input
ISR Departure Transaction Header	CI	Input
UEL (COMPASS) Transaction End Format	ZZZ	Input
UEL (COMPASS) D Vehicle	D	Input
UEL (COMPASS) E Load	E	Input
UEL (COMPASS) F Special Handling	F	Input
UEL (COMPASS) G Load	G	Input
Passenger Name Record Message	PNR	Input
Passenger Manifest Header Message	PXM	Input
Passenger End Manifest Message	PZZ	Input
ATCMD for Single Shipment Units Water	T_0/1	Input
ATCMD for Single Shipment Units Air	T_0/1	Input
ATCMD for Loaded SEAVAN/MILVAN Air	T_2	Input
ATCMD for Loaded RORO	T_2	Input

**Table 3-4. TC-AIMS II Transactions. (cont'd)**

<b>Transaction</b>	<b>Standard Short Name</b>	<b>Input/Output</b>
ATCMD for Loaded SEAVAN/MILVAN Water	T_2	Input
ATCMD for Loaded RORO Air	T_2	Input
ATCMD for Loaded CONEX, Pallet, Cont Wtr	T_3	Input
ATCMD for Loaded CONEX, Pallet, Cont Nested Air	T_3	Input
ATCMD for Loaded CONEX, Pallet, Cont Nested Wtr	T_3	Input
ATCMD for Loaded CONEX, Pallet, Cont Air	T_3	Input
ATCMD for Shipment Units In Consl Cont Wtr	T_4	Input
ATCMD for Shipment Units In Consl Cont Nested Wtr	T_4	Input
ATCMD for Shipment Units In Consl Cont Air	T_4	Input
ATCMD for Shipment Units In Consl Cont Nested Air	T_4	Input
ATCMD for Outsized Dimensions Air	T_5	Input
ATCMD for Outsized Dimensions Wtr	T_5	Input
ATCMD for Stock Number for Ocean Movement	T_6	Input
ATCMD for Stock Number for Air Movement	T_6	Input
ATCMD for SEAVAN/MILVAN, Wtr	T_9	Input
ATCMD for General Misc Unit, Air	T_9	Input
ATCMD for Additional HazMat Information, Air	T_9	Input
ATCMD for Additional HazMat Information, Wtr	T_9	Input
ATCMD for SEAVAN/MILVAN REEFER Stopoff	T_9	Input
ATCMD for SEAVAN/MILVAN Stopoff, Air	T_9	Input
ATCMD for SEAVAN/MILVAN Stopoff, Wtr	T_9	Input
ATCMD for SEAVAN/MILVAN REEFER	T_9	Input
ATCMD for Empty CONEX, Air	T_9	Input
ATCMD for General Misc Unit, Wtr	T_9	Input
ATCMD for SEAVAN/MILVAN, Air	T_9	Input
ATCMD for General Misc, Air	T_9	Input
ATCMD for General Misc, Wtr	T_9	Input
ATCMD for Empty CONEX, Wtr	T_9	Input
ATCMD for AMMO, Explosives Wtr	TE6	Input
ATCMD for AMMO, Explosives Air	TE6	Input
ATCMD for NEW, Air	TE7	Input
ATCMD for NEW, Wtr	TE7	Input
ATCMD for HazMat, Wtr	TJ6	Input
ATCMD for HazMat, Air	TJ6	Input
ATCMD for Outsized Dimensions Vehicle/Tlr/AC US	TV5	Input

**Table 3-4. TC-AIMS II Transactions. (cont'd)**

<b>Transaction</b>	<b>Standard Short Name</b>	<b>Input/Output</b>
ATCMD for Outsized Dimensions Veh/Trl/AC So Am	TV5	Input
ATCMD for Outsized Dimensions Veh/Trl/AC So Am	TV5	Input
Air Cargo Manifest Header	TAA	Input
Truck Cargo Manifest Header	TAT	Input
Air Cargo Manifest Pallet Prime TCMD	TAB	Input
Air Cargo Manifest Shipment Unit Prime TCMD	T_A/D	Input
Air Cargo Manifest Shipment Units Container (Nested)	T_D	Input
Air Cargo Manifest Loaded RORO Container	T_B	Input
Air Cargo Manifest Loaded SEAVAN/MILVAN	T_B	Input
Air Cargo Manifest CONEX, Unitized Pallet, Containers	T_C	Input
Air Cargo Manifest CONEX, Unitized Pallet - Nested	T_C	Input
Air Cargo Manifest Vehicle/Trailer/Aircraft Trailer TCMD	TVE	Input
Air Cargo Manifest Vehicle/Trailer/AC Trailer TCMD South Am	TVE	Input
Air Cargo Manifest Outsized Dimensions Trailer TCMD	T_E	Input
Air Cargo Manifest HazMat/ammo/explosives Trailer TCMD	TEF/TJF	Input
Air Cargo Manifest Stock Number Trailer TCMD	T_F	Input
Air Cargo Manifest NEW Trailer TCMD	TEG/NEW	Input
Air Cargo Manifest Household Goods and Baggage	T_H	Input
Air Cargo Manifest POV Ownership Trailer TCMD	TPH	Input
Air Cargo Manifest General Misc Trailer TCMD	T_I (TXI)	Input
Air Cargo Manifest General Misc Unit Move Trailer TCMD	T_I	Input
Air Cargo Manifest General Misc HazMat Trailer TCMD	T_I (TEI/TJI)	Input
Air Cargo Manifest SEAVAN/MILVAN/CONEX Misc	T_I	Input
Air Cargo Manifest Empty SEAVAN/MILVAN/CONEX	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN Reefer Misc	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN Stopoff	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN Reefer Stopoff	T_I	Input
Air Cargo Manifest End Manifest	TZZ	Input

### 3.2.3 General Transaction Processing

Although transactions are checked by the TC-AIMS II software prior to being sent to GTN, the GTN software must still process all transactions prior to incorporating them into the GTN databases. Transaction processing consists of the following two phases:

- a. Phase one consists of enforcement of transaction composition by requiring compliance with field entry rules described in the individual transaction descriptions in the subsequent sections.

- b. Phase two consists of record type identification, parsing transaction fields, enforcing system edits for legal checks, and allowable limits/ranges as specified in Table 3-4.

Transactions which are determined to be invalid are not incorporated into the GTN database.

If a transaction is determined to be valid, the information contained in the transaction will be incorporated into the GTN databases if either of the following two conditions occur:

- a. The information contained in the transaction is not already present in the GTN databases.
- b. The information contained in the transaction is determined to be more current than the information in the GTN databases. For example, the value in the “UPDTETIME.UPDATE\_TIME\_STAMP” field of the new transaction is more recent than the “UPDTETIME.UPDATE\_TIME\_STAMP” field of the previous transaction.

Mandatory refers to the values within the designated positions of the transactions, not to the fields themselves. If, from the source system standpoint, for any transaction, a data field is Mandatory (M), as indicated in the “IR/DD Required Element” column of the transaction formats, and the field does not conform to the format specified in Table 3-3, GTN-TC-AIMS II Data Definition, GTN will not initially process the data field and will refer it for error processing. If the data field is Conditional (C), as indicated in the “IR/DD Required Element” column, and the field does not conform to the conditional requirement indicated in the “Comments” column, GTN will not initially process the data field and will refer it for error processing. Optional (O) conditions will not be edited for error processing. The limits and range of the data elements equates to the legal checks unless otherwise specified. If GTN considers a field to be Mandatory that the source system considers to be Conditional or Optional, an “(M)” will be placed in the “IR/DD Required Element” column next to the “C” or “O.” Additionally, the first item in the “Comments” column will indicate “GTN required.”

Error processing by GTN means, at a minimum, that information concerning the field in error is recorded for subsequent data quality reports. Error processing will depend on the applied business rules. GTN can reject the entire transaction or a subset within the transaction. The transaction can be corrected by human intervention so that it may be included in its entirety.

### **3.2.4 TC-AIMS II Transactions**

#### **3.2.4.1 Unit Equipment List (UEL) Transaction Header**

##### **3.2.4.1.1 UEL Transaction Header Description**

The UEL Transaction Header precedes the UEL transactions that are sent in a transmission from a TC-AIMS II site. The UEL transaction header allows GTN to recognize the data as UEL data.

##### **3.2.4.1.2 UEL Transaction Header Format**

The format of the UEL Transaction Header is shown in Table 3-5.

**Table 3-5. UEL Transaction Header Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Header Indicator	HEADER_IND	1	6	M	The repetition of "X"s indicates the beginning of a transmission of UEL transactions.	"XXXXXX"
Content Indicator Code	CIC	7	10	M	The Content Indicator Code (CIC).	"AAGC"
Mail Sender	SENDER	11	Variable	M	The data identifies the e-mail address of the sender of the data. The address is followed by a space.	"A"
Piece Counter	COUNT	Variable	Variable	M	This count indicates the number of pieces that have resulted from the communications script taking the original UEL (COMPASS) transmission and breaking it down into smaller pieces prior to transmission. There is no upper limit to the counter.	"1"

### 3.2.4.1.3 UEL Transaction Header Constraints

Only one Transaction Header is present in a single transmission from a TC-AIMS II site. This record is always first.

### 3.2.4.1.4 UEL Transaction Header Example

An example of the UEL Transaction Header transaction is shown in Figure 3-4.

XXXXXXAAGCA 1

**Figure 3-4. UEL Transaction Header Example.**

## 3.2.4.2 Unit Equipment List (UEL) Header/Personnel Strength A Record

### 3.2.4.2.1 UEL Header/Personnel Strength A Record Description

The UEL Header/Personnel Strength A Record and the other associated UEL records (D, E, F, G) combine to make a Computerized Movement Planning and Status System (COMPASS) Report. This is also called a Deployment Equipment List (DEL) or an Automated Unit Equipment List (AUEL). The records identify the unit and a list of the equipment the unit intends to ship in support of an exercise or contingency. The report may be updated any number of times prior to the departure of the unit.

An example of a possible set of UEL records is shown in Figure 3-5.

XX



### Figure 3-5. Unit Equipment List Example

#### 3.2.4.2.2 UEL Header/Personnel Strength A Record Format

The format of the UEL Header/Personnel Strength A Record is shown in Table 3-6.

**Table 3-6. UEL Header/Personnel Strength A Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No Is or Os.	“W001AA”
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type Data Code used to identify this unit move.	“BB”
Blank	FILLER2	9	10	M	Leave blank	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	M	Can be three to seven characters.	“CABBC01”
Card Type	CARD_TYPE	18	18	M	A	“A”
Submission Date	SUBMISSION_DATE	19	27	M	DDMMYYYY	“01DEC1997”
Total Strength	TOTAL_STRENGTH	28	31	M	Unit total strength. Dependent on the mission	“0092”
Ech 01	ECHELON_NBR	32	33	O	1	“ ”
Ech Strength	ECH_STRENGTH	34	37	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 02	ECHELON_NBR	38	39	O	2	“ ”
Ech Strength	ECH_STRENGTH	40	43	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 03	ECHELON_NBR	44	45	O	3	“ ”
Ech Strength	ECH_STRENGTH	46	49	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 04	ECHELON_NBR	50	51	O	4	“ ”
Ech Strength	ECH_STRENGTH	52	55	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 05	ECHELON_NBR	56	57	O	5	“ ”
Ech Strength	ECH_STRENGTH	58	61	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 06	ECHELON_NBR	62	63	O	6	“ ”
Ech Strength	ECH_STRENGTH	64	67	O	Quantity of personnel assigned to this echelon for movement.	“ ”
Ech 07	ECHELON_NBR	68	69	O	7	“ ”
Ech Strength	ECH_STRENGTH	70	73	O	Quantity of personnel assigned to this echelon for movement.	“ ”

**Table 3-6. UEL Header/Personnel Strength A Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER5	74	78	M	Leave blank	“ ”
Transaction Code	TRANSCD	79	79	M	A = Add for the first time, C = A change that may change the header record as well as accompanying details.	“A”
Card Code	CARDCD	80	80	M	“9”	“9”

### 3.2.4.2.3 UEL Header/Personnel Strength A Record Constraints

The UEL Header/Personnel Strength A Record always precedes the detailed information records (D, E, F, G) for a particular Unit Identification Code reporting equipment in the transmission. A Header/Personnel Strength A Record must be followed by at least one of the detail records. A transaction code of “A” indicates this is an initial set of records. An “A” includes the header and one or more detail records also with a transaction code of “A.” A transaction code of “C” indicates that the header or any associated detail records have been modified (detail record transaction code of “C”), added to the unit list (detail record transaction code of “A”), or deleted from the unit list (detail record transaction code of “D”).

### 3.2.4.2.4 UEL Header/Personnel Strength A Record Example

An example of the UEL Header/Personnel Strength A Record is shown in Figure 3-6.

W001AABB CABBC01A01DEC19970092

A9

**Figure 3-6. UEL Header/Personnel Strength A Record Example.**

## 3.2.4.3 Unit Equipment List (UEL) Vehicle D Record

### 3.2.4.3.1 UEL Vehicle D Record Description

The UEL Vehicle D Record is used to report vehicles to include trucks, trailers, semi-trailers, amphibious vehicles, tracked vehicles, tanks, artillery, floating equipment, railcars, locomotives, aircraft, wheel or track mounted equipment, and containers mounted on axles. The record is one of the record types in the COMPASS report. It may follow an A header record. The dimensions of the vehicle are based on the table in TB 55-46-1, unless the D Record has a waiver indicator. A waiver indicator means one or more of the dimensions are not according to TB 55-46-1.

### 3.2.4.3.2 UEL Vehicle D Record Format

The format of the UEL Vehicle D Record is shown in Table 3-7.

**Table 3-7. UEL Vehicle D Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No Is or Os.	“W001AA”
Type Data Code	EQUIPLST. DATATYPE	7	8	M	Type data code used to identify this unit move.	“BB”
Echelon	EQUIPLST.ECH_ ULN(ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction.	“ ”
ULN	EQUIPLST.ECH_ ULN	11	17	C	Required if no Echelon is present and transaction code is A or D. May be blank for a change transaction.	“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	D	“D”
Unit Entry Number	EQUIPLST.SUN	19	22	M	The Record Type plus the Unit Entry Number combine to create the Shipment Unit Number (SUN).	“0034”
Line Item Number	EQUIPLST.LIN	23	28	C	Required for Add records. May be blank for a change transaction.	“T61494”
LIN Index Number	EQUIPLST. LININDEX	29	30	C	Required for Add records. May be blank for a change transaction.	“04”
Blank	FILLER3	31	33	M	Leave blank	“ ”
Type Cargo Code	EQUIPLST.TCC	34	34	C	May be blank for a change transaction.	“Z”
Special Handling Code	EQUIPLST.SHC	35	35	C	May be blank for a change transaction.	“9”
MPOE	EQUIPLST.MPE	36	36	C	Mode to Port of Embarkation. May be blank for a change transaction.	“K”
Waiver Indicator	EQUIPLST.WAIVER	37	37	O	May be a Space or R.	“ ” or “R”
Height	EQUIPLST.HEIGHT	38	41	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction.	“ ”
Length	EQUIPLST.LNGTH	42	46	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction.	“ ”
Width	EQUIPLST.WIDTH	47	51	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction.	“ ”
Weight	EQUIPLST.WTACT	52	58	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction.	“ ”
Blank	FILLER3	59	61	M	Leave blank	“ ”

**Table 3-7. UEL Vehicle D Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Item Description	ITEM DESCRIPTION	62	78	O	Enter type of vehicle (e.g. 5 Ton 4x4 and Model). This will give the COMPASS manager information so a research can be made with MTMCTEA to acquire a LIN Number for the vehicle.	“ ”
Transaction Code	TRANSCD	79	79	M	A, C, or D	“A”
Card Code	CARDCD	80	80	M	“9”	“9”

### 3.2.4.3.3 UEL Vehicle D Record Constraints

The UEL Vehicle D Record may be followed by one or more of the E load records. If the waiver indicator is “X,” at least one E load record may follow the D record. An E record can also be present without the “X” in the preceding D record. If an R is in record position 37, the waiver indicator of “X,” if present, is removed and all the associated E load records are deleted.

If the header record transaction code is “A,” the transaction on the vehicle record is “A.” If the header record transaction code is “C,” the transaction on the vehicle record is “A,” “C,” or “D.”

### 3.2.4.3.4 UEL Vehicle D Record Example

An example of the Vehicle D Record is shown in Figure 3-7.

W001AABB CABBC01D0034T6149404 Z9K A9

**Figure 3-7. UEL Vehicle D Record Example.**

### 3.2.4.4 Unit Equipment List (UEL) Load Data E Record

#### 3.2.4.4.1 UEL Load Data E Record Description

The UEL Load Data E Record is used to report cargo loads assigned to specific vehicles or trailers, i.e., D records. The record is one of the record types in the COMPASS report. It may only follow a D Record. Each D record may have zero, one or more E records.

#### 3.2.4.4.2 UEL Load Data E Record Format

The format of the UEL Load Data E Record is shown in Table 3-8.

**Table 3-8. UEL Load Data E Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No Is or Os.	"W001AA"
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type data code used to identify this unit move.	"BB"
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction.	" "
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if no Echelon is present and transaction code is A or D. May be blank for a change transaction.	"CABBC01"
Card Type	EQUIPLST.SUN(CARD)	18	18	M	E	"E"
Unit Entry Number	EQUIPLST.SUN	19	22	M	Matches the preceding D record's Unit Entry Number (UEN).	"0034"
Load Description Number	VEH_LD.LOADCODE	23	24	M	Identifies the load.	"D "
Load Description	VEH_LD.LOADDESC	25	49	M	Text	"RED TAT BAGGAGE "
Load Quantity	VEH_LD.QTY	50	53	M	Number of cargo pieces represented by the load entry.	"0000"
Type of Equip	ECR.EQUIPTYP	54	54	C	Mandatory for a transaction code of "A."	"T"
Type Pack Code	EQUIPLST.PACK	55	56	C	Mandatory for a transaction code of "A."	"PC"
Load Description Weight	EQUIPLST.WTPLAN	57	62	C	Mandatory for a transaction code of "A." Weight in pounds.	"000965"
Load Description Cube	EQUIPLST.CUFTLOAD	63	69	C	Mandatory for a transaction code of "A."	"0000046"
Blank	FILLER9	70	78	M	Leave blank	" "
Transaction Code	TRANSCD	79	79	M	A, C, or D	"A"
Card Code	CARDCD	80	80	M	"9"	"9"

### 3.2.4.4.3 UEL Load Data E Record Constraints

Zero, one or more of the UEL Load Data E Record may follow a D record. The Unit Entry Number of the Load Data E Record matches the Unit Entry Number of the preceding D vehicle record. Each load for the vehicle is identified by the Load Description Number.

If the header record transaction code is "A," the transaction on the E record is "A". If the header record transaction code is "C," the transaction on the E record is "A," "C," or "D."

### 3.2.4.4.4 UEL Load Data E Record Example

An example of the UEL Load Data E Record is shown in Figure 3-8.

W001AABB CABBC01E0034D RED TAT BAGGAGE

0000TPC0009650000046000000000A9

**Figure 3-8. UEL Load Data E Record Example.**

### 3.2.4.5 Unit Equipment List (UEL) Special Handling F Record

#### 3.2.4.5.1 UEL Special Handling F Record Description

The UEL Special Handling F Record for other than vehicles and vehicle loads is used to report large/heavy cargo items: cargo that is palletized, containerized, unitized, crated, or banded together; cargo that is security classified; and cargo other than that which has been reported as loaded on vehicles. F records can contain items that are further described in G records. The record is one of the record types in the COMPASS report. Zero, one or more F records may come after all the D and E records in the COMPASS report.

#### 3.2.4.5.2 UEL Special Handling F Record Format

The format of the Special Handling F Record is shown in Table 3-9.

**Table 3-9. UEL Special Handling F Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit.	“W001AA”
Type Data Code	EQUIPLST. DATATYPE	7	8	M	Type data code used to identify this unit move.	“BB”
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction.	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if no Echelon is present. May be blank for a change transaction.	“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	“F”	“F”
Unit Entry Number	EQUIPLST.SUN	19	22	M		“0002”
Line Item Number	EQUIPLST.LIN	23	28	C	Required for Add records. May be blank for a change transaction.	“C13825”
LIN Index Number	EQUIPLST. LININDEX	29	30	C	Required for Add records. May be blank for a change transaction.	“01”
Water Commodity Code	WATER COMMODITY CODE	31	33	M	Enter WWC code from Table 5- 1, FORSCOM Reg 55-2. Must be filled in on “Add” transactions	“700”
Type Cargo Code	EQUIPLST.TCC	34	34	C	Required for Add records. May be blank for a change transaction.	“Z”
Special Handling Code	EQUIPLST.SHC	35	35	C	Required for Add records. May be blank for a change transaction.	“9”

**Table 3-9. UEL Special Handling F Record Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
MPOE	EQUIPLST.MPE	36	36	M	Mode to Port of Embarkation. Required for Add records. May be blank for a change transaction.	"1"
Blank	FILLER1	37	37	M	Leave Blank	" "
Length	EQUIPLST.LNGTH	38	42	C	Length of the item in inches. Required for Add records. May be blank for a change transaction.	" "
Width	EQUIPLST.WIDTH	43	47	C	Width of the item in inches. Required for Add records. May be blank for a change transaction.	" "
Height	EQUIPLST.HEIGHT	48	51	C	Height of the item in inches. Required for Add records. May be blank for a change transaction.	" "
Weight	EQUIPLST.WTACT	52	58	C	Weight in pounds. Required for Add records. May be blank for a change transaction.	" "
Type of Equip	EQUIPLST. VEHLDIND	59	59	C	Required for Add records. May be blank for a change transaction.	" "
Type Pack Code	EQUIPLST.PACK	60	61	C	Required for Add records. May be blank for a change transaction.	"PC"
Item Description	EQUIPLST. EQUIPDES	62	76	C	Required for Add records. May be blank for a change transaction.	"HIP METAL 20 FT"
Blank	FILLER2	77	78	M	Leave Blank	" "
Transaction Code	TRANSCD	79	79	M	A, C, or D	"A"
Card Code	CARDCD	80	80	M	"9"	"9"

### 3.2.4.5.3 UEL Special Handling F Record Constraints

The UEL Special Handling F Record may be followed by zero, one or more G records.

If the header record transaction code is "A," the transaction on the F record is "A." If the header record transaction code is "C," the transaction code on the F record is "A" or "C." If the header record transaction code is "D," the transaction code on the F record is "D."

### 3.2.4.5.4 UEL Special Handling F Record Example

An example of the UEL Special Handling F Record is shown in Figure 3-9.

W001AABB CABBC01F0002C1382501700Z91

PCHIP METAL 20 FT A9

**Figure 3-9. UEL Special Handling F Record Example.**

### 3.2.4.6 Unit Equipment List (UEL) Container Load Data G Record

#### 3.2.4.6.1 UEL Container Load Data G Record Description

The UEL Load Data G Record is used to report cargo loads assigned to specific F records.

#### 3.2.4.6.2 UEL Container Load Data G Record Format

The format of the UEL Container Load Data G Record is shown in Table 3-10.

**Table 3-10. UEL Container Load Data G Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit	“W001AA”
Type Data Code	EQUIPLST. DATATYPE	7	8	M	Type data code used to identify this unit move.	“BB”
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C		“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C		“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	“G”	“G”
Unit Entry Number	EQUIPLST.SUN	19	22	M	Same entry number as assigned to the container record the load is loaded into.	“0002”
Load Description Number	VEH_LD. LOADCODE	23	24	M	Identifies this load from other loads in the container.	“C ”
Load Description	VEH_LD.LOADDESC	25	49	M	Text	“MULTIPLE ITEMS ”
Load Quantity	VEH_LD.QTY	50	53	M	Number of cargo pieces represented by the load entry.	“0002”
Type of Equip	ECR.EQUIPTYP	54	54	C	Mandatory for a transaction code of “A.”	“U”
Type Pack Code	EQUIPLST.PACK	55	56	C	Mandatory for a transaction code of “A.”	“PC”
Load Description Weight	EQUIPLST.WTPLAN	57	62	C	Mandatory for a transaction code of “A.” Weight of load in pounds.	“000006”
Load Description Cube	EQUIPLST. CUFTLOAD	63	69	C	Mandatory for a transaction code of “A.” Cubic Feet of the load.	“ ”
Filler	FILLER9	70	78	M	Spaces	“ ”
Transaction Code	TRANSCD	79	79	M	A, C, or D	“A”
Card Code	CARDCD	80	80	M	“9”	“9”



### 3.2.4.6.3 UEL Container Load Data G Record Constraints

One or more UEL Container Load Data G Records may only follow an F record. If the header record transaction code is “A,” the transaction on the G record is “A.” If the header record transaction code is “C,” the transaction on the G record is “A” or “C.” If the header record transaction code is “D,” the transaction on the G record is “D.”

### 3.2.4.6.4 UEL Container Load Data G Record Example

An example of the UEL Container Load Data G Record is shown in Figure 3-10.

W001AABB CABBC01G0002C MULTIPLE ITEMS 0002UPC000006 A9

**Figure 3-10. UEL Container Load Data G Record Example.**

### 3.2.4.7 UEL Transaction End

#### 3.2.4.7.1 UEL Transaction End Description

The UEL Transaction End record marks the end of the UEL records and indicates how many records should be present between the transaction header and the transaction end records.

#### 3.2.4.7.2 UEL Transaction End Format

The format of the UEL Transaction End is shown in Table 3-11.

**Table 3-11. UEL Transaction End Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Trailer Indicator	TRAILER_IND	1	6	M	The repetition of “Z”s indicates the end of the UEL transmission.	“ZZZZZZ”
Transaction Count	TXN_COUNT	7	12	M	This count indicates the number of data records in the transmission. It does not include the Header or this Trailer.	“000198”

#### 3.2.4.7.3 UEL Transaction End Constraints

The UEL Transaction End is the last record at the end of a transmission of UEL data from a TC-AIMS II site. There is only one per transmission.

#### 3.2.4.7.4 UEL Transaction End Example

An example of the UEL Transaction End is shown in Figure 3-11.

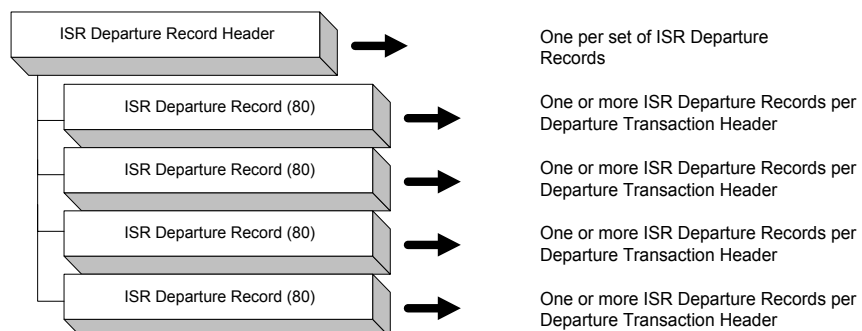
ZZZZZZ000198

**Figure 3-11. UEL Transaction End Example.**

### 3.2.4.8 Installation Situation Report (ISR) Departure Transaction Header

#### 3.2.4.8.1 ISR Departure Transaction Header Description

The ISR is generated by an Installation Transportation Office upon the departure of cargo from the origin. The ISR Unit Move Transaction Header identifies the origin and destination of the associated cargo and/or passengers, when the ISR record was sent and the sequence number assigned to it upon transmission. An example of a possible set of ISR records is shown in Figure 3-12.



**Figure 3-12. Installation Departure Report Example.**

#### 3.2.4.8.2 ISR Departure Transaction Header Format

The format of the ISR Departure Transaction Header is shown in Table 3-12.

**Table 3-12. ISR Departure Transaction Header Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Record Type	RECORD_TYPE	1	1	M	"C"	"C"
Transaction Code	TRANSACTION_CODE	2	2	M	"I" = ISR.	"I"
Constant	CONSTANT	3	6	M	Identifies which ITO sent the record to GTN.	"ZZZZ"
Year	YEAR	7	10	M	Year in 4 digits. YYYY	"1998"
Transaction Date	TRANSACTION_DATE	11	13	M	The date the transaction was sent in Julian date JJJ	"179"
Transaction Time	TRANSACTION_TIME	14	17	M	The time the transaction was sent.	"1300"

**Table 3-12. ISR Departure Transaction Header Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Message Number	MESSAGE_ NUMBER	18	21	M	The sequential number assigned to the transaction when it is sent.	"0001"
Departure GEOLOC	GEOLOC	22	25	M	GEOLOC of departing cargo and/or PAX	"MLZF"
Destination GEOLOC	GEOLOC	26	29	M	GEOLOC of destination cargo and/or PAX	"LZLU"
Site Id	SITE_ID	30	79	M	Site Address of Transmission	"<name> @<host>.army. mil"

### 3.2.4.8.3 ISR Departure Transaction Header Constraints

The ISR Departure Transaction Header precedes the first ISR departure record.

### 3.2.4.8.4 ISR Departure Transaction Header Example

An example of the ISR Departure Transaction Header is shown in Figure 3-13.

CIZZZZ19981791300001MLZFLZLU<name>@<host>.army.mil

**Figure 3-13. ISR Departure Transaction Header Example.**

## 3.2.4.9 ISR Departure Record

### 3.2.4.9.1 ISR Departure Record Description

The ISR Departure Record is used to report departure of unit cargo and/or the number of PAX for a deployment . It identifies all the major items that are departing by Shipment Unit Number (SUN), not TCN. If there are any items loaded inside a major item, the loaded item's SUN is not recorded on this report. The SUN consists of the Card Type and the Entry Number.

The ISR departure report is related to the Unit Equipment List data, also referred to as the COMPASS report. The SUN on the ISR should relate directly to a SUN on the COMPASS for a specific Unit Identification Code (UIC) and Type Data Code (TDC).

### 3.2.4.9.2 ISR Departure Record Format

The format of the ISR Departure Record is shown in Table 3-13.

**Table 3-13. ISR Departure Record Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC	"W001AA"
Type Data Code	EQUIPLST.DATATY PE	7	8	M	Type Data Code used to identify this unit move.	"BB"
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if the ULN is present.	" "
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if the ULN is present	"CABBC01"
Card Type	CARD_TYPE	18	18	M	B	"B"
Entry Number	EQUIPLST.SUN(ISR)	19	23	M	Number assigned to the item.	"D0002"
Date-Time -Group	SHDR_OUT.SC_ DATE	24	37	M	Date and time of departure, DDHHMMZMMMYYYY	"011300ZFEB1 998"
MPOE	SHDR_OUT.MPOE	38	38	M	Mode to Port of Embarkation. The mode used to depart the origin.	"E"
If MPOE is other than "K," use:						
Mode Control Number	SHDR_OUT.CARSU M	39	53	C	If MPOE is other than "K," then this field is Car or Conveyance Number. May be convoy clearance number. Left Justified.	" "
If MPOE is "K," use:						
Mode Control Number	SHDR_OUT.TRAINA SS OR	39	53	C	If MPOE is "K," then this field is the train number. Left Justified.	" "
Bus-PAX	SHDR_OUT.PAX	54	58	C	If MPOE is "B" or "E," then this field contains a passenger count, 0000-9999 for PAX being transported via this mode. Left Justified	"1 "
Air-PAX	SHDR_OUT.PAX	59	63	C	If MPOE is not "B" or "E," then this field contains a passenger count, 0000-9999 for PAX being transported via this mode. Left justified	"5 "
Estimated time of arrival	ETA	64	77	M	DDHHMMZMMMYYYY	"022100ZFEB1 998"
Blank	FILLER1	78	78	M	Leave blank	" "
Transaction Code	TRANSCD	79	79	M	Always "C"	"C"
Card Code	CARDCD	80	80	M	"9"	"9"

### 3.2.4.9.3 ISR Departure Record Constraints

There is one SUN per ISR Departure Record for an item that departs the origin. At least one ISR Departure Record follows the ISR Departure Transaction Header record. The last record in the ISR will be followed by EOF.

#### 3.2.4.9.4 ISR Departure Record Example

An example of the ISR Departure Record is shown in Figure 3-14.

W001AABB CABBC01BD0002011300ZFEB1998E 1 5 022100ZFEB1998 C9

**Figure 3-14. ISR Departure Record Example.**

#### 3.2.4.10 Passenger Manifest (PXM) Transaction

##### 3.2.4.10.1 Passenger Manifest (PXM) Transaction Description

The PXM transaction is the lead record for a passenger manifest. The PXM transaction, together with passenger name records, creates a complete passenger manifest for any mode.

##### 3.2.4.10.2 Passenger Manifest (PXM) Transaction Format

The format of the PXM transaction is shown in Table 3-14.

**Table 3-14. Passenger Manifest (PXM) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	PLM (PAX lifted manifest)	"PXM"
Manifest ID	PAX_MANIFEST_ID	4	17	M	Station-unique identifier	"04069810201901"
Manifest Date	PAX_MAN_DATE	18	24	M	System create date ddmmyyyy	"06APR1998"
Manifest Creator	CREATED_BY	25	31	M	Person creating the manifest ("TC-AIMS II" as default)	"TCAIMS II"
Type Data Code	TYPE_DATA_CODE	32	33	O	Code to identify a unit move. Space if not a unit move.	" "
Unit Identification Code (UIC)	UIC	34	39	C	UIC for primary unit being moved. If not a group move, may be spaces.	" "
Mission Identifier	PAX_MAN_MISSION_ID	40	51	M	Conveyance mission identifier	"AB1234"
Transportation Mode	PAX_MAN_MODE	52	52	M	Transportation mode (DoD 4500.32-1-R)	"K"
Port of Embarkation(POE)	AERIAL_POE	53	55	C	Aerial port of embarkation. Space if type of conveyance is not an aircraft	" "

**Table 3-14. Passenger Manifest (PXM) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Port of Debarkation(POD)	AERIAL_POD	56	58	C	Aerial port of debarkation. Space if POE is spaces.	“ ”
CHALK NUMBER	CHALK_NUMBER	59	61	O	May be spaces for air. Spaces if not an air move.	“ ”
Origin GEOLOC Code	GEOLOC	62	65	M	Origin GEOLOC Code will be left justified	“XKWS”
Blank	FILLER56	66	121	M	Leave blank	“ ”
Origin City	ORIGIN_CITY	122	141	C	Point of origin city. If the POE is not provided, complete the field.	“ ”
Origin State	ORIGIN_STATE	142	143	C	Point of origin state or country code. If the POE is not provided, complete the field.	“ ”
Destination GEOLOC Code	GEOLOC	144	147	M	Destination GEOLOC Code will be left justified	“CHCQ”
Blank	FILLER56	148	203	M	Leave blank	“ ”
Destination City	DEST_CITY	204	223	C	Destination city. If the POD is not provided, complete the field.	“ ”
Destination State	DEST_STATE	224	225	C	Destination state or country code. If the POD is not provided, complete the field.	“ ”
Departure Date	PAX_MAN_DEPT_DATE	226	230	M	Actual departure date of conveyance (YYYYJJJ).	“1998135 ”
Departure Time	PAX_MAN_DEPT_TIME	231	234	M	Actual departure time of conveyance (HHMM).	“0600 ”
Planned Arrival Date	PAX_MAN_ARRIV_DATE	235	239	M	Planned local arrival date.	“1998136 ”
Planned Arrival Time	PAX_MAN_ARRV_TIME	240	243	M	Planned local arrival time.	“0100”
Carrier SCAC	CARRIER_ID_CODE	244	247	M	SCAC	“ ”
Carrier Name	CARRIER_NAME	248	287	M	In the clear name of the carrier.	“TRAIN ”
Conveyance type	PAX_MAN_TYPE_CONV	288	292	M	May be aircraft model/series; bus type/size.	“TRAIN”
Conveyance Number	PAX_MAN_CONV_NUM	293	300	M	Aircraft tail number, bus number, convoy clearance number, etc. Identifying number or code for the conveyance.	“ ”

**Table 3-14. Passenger Manifest (PXM) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Seats Available	PAX_MAN_A_C_LOAD	301	303	O	Number of available seats for the passengers	“ ”
AMC Category of Service	PAX_MAN_CAT_OF_SER	304	304	C	Category of service for AMC aircraft. Other modes leave a space.	“ ”

### 3.2.4.10.3 Passenger Manifest (PXM) Transaction Constraints

Each PXM is followed by at least one Passenger Name Record.

### 3.2.4.10.4 Passenger Manifest (PXM) Transaction Example

An example of the PXM transaction is shown in Figure 3-15.

```
PXM0406981020190106APR1998TC AIMS2      AB1234K      XKWS
CHCQ                                     1998135060019981360100  TRAIN
TRAIN
```

**Figure 3-15. Passenger Manifest Header (PXM) Example.**

### 3.2.4.11 Passenger Name Record (PNR)

#### 3.2.4.11.1 Passenger Name Record (PNR) Description

One Passenger Name record is created for each passenger on the conveyance. The record provides information specific to the person.

#### 3.2.4.11.2 Passenger Name Record (PNR) Format

The format of the Passenger Name Record PNR transaction is shown in Table 3-15.

**Table 3-15. Passenger Name Record (PNR) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID(DERIVED)	1	3	M	PNR	“PNR”
Manifest Identifier	PAX_MANIFEST_ID	4	17	M	Same as on the manifest header record.	“04069810201901”
Person ID	SSN_PERSON_ID	18	26	C	Passenger’s Social Security Number (SSN) or passport number.	“533486357”

**Table 3-15. Passenger Name Record (PNR) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Grade	RANK_CODE	27	29	M	AMC Manual 76-6, Vol 1, Attachment 5.	"COL"
Service Code	RANK_SERVICE_CODE	30	31	M	A = Army, F = Air Force, N = Navy, M = Marine Corps.	"A "
Transportation Priority	TRANS_PRI_CODE	32	34	O		" "
Special Passenger Category Code	SPC_PAX_CAT_CODE	35	35	O	AMC Manual 76-6, Vol 1, Attachment 6.	" "
PAX Name	PAX_NAME	36	62	M	Last Name, First Initial Middle Initial	"HARDY DE"
PAX Sequence Number	PAX_SEQUENCE_NO	63	65	O	Sequence number or boarding pass number.	" "
Gender	PAX_GENDER	66	66	M	M = Male, F = Female.	"M"
PAX Origin	PAX_CHANNEL_POE	67	69	O	The POE from which the PAX is leaving.	" "
PAX Destination	PAX_CHANNEL_POD	70	72	O	The POD to which the PAX is destined.	" "
PAX Reservation Code	PAX_RES_ID_CODE	73	81	O	Can be spaces.	" "
ULN	PAX_ULN_UIC_PIN	82	88	O	A code that identifies the passenger as part of a group. (Left Justified)	" "
PAX Weight	PAX_WEIGHT_BODY	89	91	O	Weight of the person in pounds.	"175"
PAX UIC	PAX_UIC	92	97	M	UIC of the passenger if different from the UIC for the manifest.	"WAY7AA"
PAX UIC Name	PAX_UIC_NAME	98	127	M	In the clear name of the unit.	"0002 AR HHT CAV RGT "
Number of bags	PAX_NO_OF_BAGS	128	128	C	Number of bags per person. Include if the PAX is carrying baggage.	" "
Blood Type	BLOOD_TYPE	129	131	M	The passenger's blood type. If not known, enter UNK.	"UNK"
PAX Bag weight	WEIGHT	132	134	C	Total weight, in pounds, of the passenger's baggage, not including carry-on. Leave spaces if passenger baggage is spaces.	" "
MOS/AFSC	MILITARY_S_CODE	135	145	O	Person's duty/job code. Can be spaces.	"12A "
Special Duty Indicator	SPC_DUTY_IND	146	147	O	This code identifies the passenger as a Troop Commander (TC), Courier (CO) or Supercargo (SC). May be spaces.	" "



**Table 3-15. Passenger Name Record (PNR) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Host Nation ID	HOST_NATION_ID	148	162	C	Host Nation ID of an individual who does not have a SSN	“ ”

### 3.2.4.11.3 Passenger Name Record (PNR) Constraints

Each passenger on the conveyance will have one PNR. There is a least one PNR following the PXM.

### 3.2.4.11.4 Passenger Name Record (PNR) Example

An example of the Passenger Name Record PNR transaction is shown in Figure 3-16.

```
PNR04069810201901533486357COLA      HARDY DE                      M
175WAY7AA0002 AR HHT      CAV RGT      UNK      12A
```

**Figure 3-16. Passenger Name Record (PNR) Example.**

### 3.2.4.12 Passenger End Manifest (PZZ)

#### 3.2.4.12.1 Passenger End Manifest (PZZ) Description

A Passenger End Manifest PZZ record contains specific information for a single passenger manifest transaction and signals the end of that particular manifest. It is used following the last PNR in a passenger manifest transaction. This record signifies that the manifest is complete.

#### 3.2.4.12.2 Passenger End Manifest (PZZ) Format

The format of the Passenger End Manifest PZZ transaction is shown in Table 3-16.

**Table 3-16. Passenger End Manifest (PZZ) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID(DERIVED)	1	3	M	Always PZZ.	“PZZ”
Transaction Record Count	TRANS_REC_CNT (DERIVED)	4	7	M	Integer count of all records in message.	“3364”
System Time Local	SYSTEM_TIME_LOCAL	8	18	M	YYYYJJJHHMM	“19980961020”
Manifest	MFST(DERIVED)	19	22	M	Enter ONLY, FRST, LAST, or spaces.	“ ”
Mission Identifier	T21MISSIONID	23	34	M	Matches PXM record.	“AB1234 ”

### 3.2.4.12.3 Passenger End Manifest (PZZ) Constraints

The Passenger End Manifest PZZ record must follow an associated PXM and its associated PNR records.

### 3.2.4.12.4 Passenger End Manifest (PZZ) Example

An example of the Passenger End Manifest PZZ transaction is shown in Figure 3-17.

PZZ336419980961020 AB1234

**Figure 3-17. Passenger End Manifest (PZZ) Example.**

### 3.2.4.13 Advance TCMDs

#### 3.2.4.13.1 Single Shipment Unit/Loose Cargo (T\_0/1) Description

The T\_0/1 documents a single shipment unit not in a consolidation container or an empty MILVAN/SEAVAN/CONEX. The advance TCMD provides information about the shipment unit to the aerial or sea port in advance of the shipment arriving at the port. It is not part of a manifest.

#### 3.2.4.13.2 Single Shipment Unit/Loose Cargo (T\_0/1) Format

The format for T\_0/1 for ocean shipments is shown in Table 3-17a. The format for T\_0/1 for air shipments is shown in Table 3-17b.

**Table 3-17a. Single Shipment Unit/Loose Cargo (T\_0/1) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_0/1. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX1" General cargo type shipment unit
Container/Trailer Number	CONT_TRL_NBR	4	8	O		"V2345"
Consignor DoDAAC	CONSIGNOR	9	14	M	Consignor DoDAAC for the shipment unit.	"FE4819"
Water Commodity Code	WTR_CMDTY_CD	15	19	M		"584Z9" (Tires, no special type cargo, no special handling)
Air Dimension Code	AIR_DIM_CD	20	20	O	If not an air movement, leave a space. Codes are in DoD 4500.32-1-R, App F3.	" "

**Table 3-17a. Single Shipment Unit/Loose Cargo (T\_0/1) for Ocean Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POE	POE	21	23	M	Port of embarkation. DoD 4500.32-1-R, App F21.	"2E1" (Origin is Port of Beaumont)
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App F21.	"4K1"
Mode to POE	MODE	27	27	M	Mode delivered to the POE. DoD 4500.32-1-R, App F13.	"A" (motor)
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	"PC"
Shipment Unit TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAB0B0\$0D00020XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the shipment unit.	"FB4608"
Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"3"
Earliest RDD	RDD	54	56	O	RDD of the shipment unit, if any.	" "
Project Code	PROJECT	57	59	O	Project code of the shipment unit, if any.	" "
Shipment Unit Release Date	DATE_RELEASE	60	62	O	Day the shipment unit is expected to be released for movement to POE. If loaded at the POE, leave spaces. DoD 4500.32-1-R, App F7.	"156" (day of the year shipment unit will be released for movement to the POE)
POE Estimated Time of Arrival (ETA)	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F9.	"A" (Shipment unit will be in-transit to the POE for 10 days)
TAC	TAC	64	67	M	Transportation Account Code.	" "
Total Pieces	TOTAL_NUMBER_PIECES	68	71	M	Number of pieces in the shipment unit.	"0004" (Shipment unit consists of four pieces)
Total Weight	MOD_WT	72	76	M	Weight of shipment unit in pounds. Leading zeros if necessary.	"00100" (Weight of the shipment unit)
Gross Cube	TOTAL_CUBE	77	80	M	Gross cubic feet of shipment unit. Leading zeros if necessary.	"0165" Gross cube of the shipment units

**Table 3-17b. Single Shipment Unit/Loose Cargo (T\_0/1) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_0/1. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX1" General cargo type shipment unit
Federal Supply Classification (FSC)	FSC	4	8	O	For air shipments, enter the FSC, right justified and leave a space in RP 4.	
Consignor DoDAAC	CONSIGNOR	9	14	M	Consignor DoDAAC for the shipment unit.	"FE4819"
Short Shelf-Life	SHORT_SHELF_ITEM_CODE	15	15	O	For short shelf-life item air shipments, enter the appropriate code, K, Z, or M. If not a short shelf-life item, leave a space.	" "
Blank	FILLER2	16	17	M	Leave blank	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	For air, enter a two-position code from DoD 4500.32-1-R, App F2.	"RZ"
Air Dimension Code	AIR_DIM_CD	20	20	M	Codes are in DoD 4500.32-1-R, App F3.	"A"
POE	POE	21	23	M	Port of embarkation. DoD 4500.32-1-R, App F4.	"STL"
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App F4.	"BAH"
Mode to POE	MODE	27	27	M	Mode delivered to the POE. DoD 4500.32-1-R, App 13.	"A" (motor)
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	"PC"
Shipment Unit TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAB0B0\$0D00020XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the shipment unit.	"FB4608"
Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"2"
Earliest RDD	RDD	54	56	O	RDD of the shipment unit, if any.	" "
Project Code	PROJECT	57	59	O	Project code of the shipment unit, if any.	" "
Shipment Unit Release Date	DATE_RELEASE	60	62	O	Day the shipment unit is expected to be released for movement to POE. If loaded at the POE, leave spaces. DoD 4500.32-1-R, App F7.	"156" (day of the year shipment unit will be released for movement to the POE)
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F9.	"A" (shipment unit will be in-transit to the POE for 10 days)

**Table 3-17b. Single Shipment Unit/Loose Cargo (T\_0/1) for Air Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
TAC	TAC	64	67	M		"F8A0"
Total Pieces	TOTAL_NUMBER_PIECES	68	71	M	Number of pieces in the shipment unit.	"0004" (Shipment unit consists of four pieces)
Total Weight	MOD_WT	72	76	M	Weight of shipment unit in pounds. Leading zeros if necessary.	"00100" (Weight of the shipment unit)
Gross Cube	TOTAL_CUBE	77	80	M	Gross cubic feet of shipment unit. Leading zeros if necessary.	"0165" Gross cube of the shipment units

### 3.2.4.13.3 Single Shipment Unit/Loose Cargo (T\_0/1) Constraints

The T\_0/1 may have one or more trailer records (T\_5/6/7/9) associated with it.

### 3.2.4.13.4 Single Shipment Unit/Loose Cargo (T\_0/1) Example

An example of T\_0/1 is shown in Figure 3-18.

```
TV1      M00015
ZZSEANXPFVOM7AXX$$$0000230XXM2046C4365FTA3251G0120001071680994
```

**Figure 3-18. Single Shipment Unit/Loose Cargo (T\_0/1) Example.**

### 3.2.4.14 Advance TCMD for Loaded RORO (T\_2)

#### 3.2.4.14.1 Advance TCMD for Loaded RORO (T\_2) Description

The advance TCMD T\_2 documents a loaded RORO container that contains one or more shipment units. The advance TCMD provides information about the container and its contents. It is not part of a manifest.

#### 3.2.4.14.2 Advance TCMD for Loaded RORO (T\_2) Format

The T\_2 formats are shown in Tables 3-18a and 3-18b.

**Table 3-18a. Advance TCMD for Loaded RORO (T\_2) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_2. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	“TX2”
Container/Trailer Number	CONT_TRL_NBR	4	8	M	DoD 4500.32-1-R code for RORO container numbers. (DoD 4500.32-1-R, App F6).	“V1234”
Loading Activity DoDAAC	BLDG_ACT	9	14	M	DoDAAC of activity that loaded the RORO.	“FB9901”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	DoD 4500.32-1-R, App F20. Commodity code for the cargo with the greatest cubic feet in the container.	“584Z9” (Tires, no special type cargo, no special handling)
Air Dimension Code	AIR_DIM_CD	20	20	C	If not an air movement, leave a space.	“ ” Air Dimension code or blank
POE	POE	21	23	M	Port of embarkation, DoD 4500.32-1-R App F21.	“2E1” (Origin is Port of Beaumont)
POD	POD	24	26	M	Port of debarkation, DoD 4500.32-1-R App F21.	“4K1”
Mode to POE	MODE	27	27	C	Mode delivered to the POE. If loaded at the POE leave a space. DoD 4500.32-1-R, App F13.	“2” (Govt water craft)
Type Pack Code	TYPE_PK_CD	28	29	M	Always RT for RORO.	“RT”
RORO TCN	TCN_CONT	30	46	M	TCN of the RORO.	“AWAB0B0\$0F00130XX”
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the RORO.	“FB4608”
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the RORO.	“4”
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the RORO.	“239”
Consignee Quantity	CONSIGNEE_QTY	57	57	M	S=Contents for a single consignee; M=Contents for multiple consignees.	“S”
Shipment Unit Totals	CONT_TOT_SU	58	59	M	Total number of shipment units loaded in the RORO. If quantity is greater than 99, enter XX and put the quantity in a T_9.	“4 ” (Four shipment units of commodity code 584 are loaded in the RORO)

**Table 3-18a. Advance TCMD for Loaded RORO (T\_2) for Ocean Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
RORO Release Date	DATE_RELEASE	60	62	C	Day the RORO is expected to be released for movement to POE. If loaded at the POE, leave space. DoD 4500.32-1-R, App F7.	"156" (day of the year)
POE ETA	POE_ETA	63	63	C	Code for estimated time of arrival at the POE. If loaded at the POE, leave space. DoD 4500.32-1-R, App F9.	"A" (RORO will be in-transit to the POE for 10 days)
Blank	FILLER4	64	67	M	Leave blank	" "
RORO Quantity	CONT_QTY	68	71	M	1	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of RORO and its contents. Leading zeros if necessary.	"02000"
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of RORO. Leading zeros if necessary.	"1320"

**Table 3-18b. Advance TCMD for Loaded RORO (T\_2) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_2. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX2"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	DoD 4500.32-1-R code for RORO container numbers. (DoD 4500.32-1-R, App F6).	"V1234"
Loading Activity DoDAAC	BLDG_ACT	9	14	M	DoDAAC of activity that loaded the RORO.	"FB9901"
Blank	FILLER3	15	17	M	Leave blank	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	For air, enter a two-position code from DoD 4500.32-1-R, App F2.	"RZ"
Air Dimension Code	AIR_DIM_CD	20	20	M	Enter DoD 4500.32-1-R code, App F3.	"D" Air Dimension code or blank
POE	POE	21	23	M	Port of embarkation.	"STL"
POD	POD	24	26	M	Port of debarkation.	"BAH"

**Table 3-18b. Advance TCMD for Loaded RORO (T\_2) for Air Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Mode to POE	MODE	27	27	O	Mode delivered to the POE. If loaded at the POE, leave a space. DoD 4500.32-1-R, App F13.	"2" (Govt water craft)
Type Pack Code	TYPE_PK_CD	28	29	M	Always RT for RORO.	"RT"
RORO TCN	TCN_CONT	30	46	M	TCN of the RORO.	"AWAB0B0\$0F00130XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the RORO.	"FB4608"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the RORO.	"2"
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the RORO.	"239"
Consignee Quantity	CONSIGNEE_QTY	57	57	M	S=Contents for a single consignee; M=Contents for multiple consignees.	"S"
Shipment Unit Totals	CONT_TOT_SU	58	59	M	Total number of shipment units loaded in the RORO. If quantity is greater than 99, enter XX and put the quantity in a T_I.	"4 " (Four shipment units of commodity code 584 are loaded in the RORO)
RORO Release Date	DATE_RELEASE	60	62	O	Air hour/day code the RORO is expected to be released for movement to POE. If loaded at the POE, leave space. DoD 4500.32-1-R, App F7.	"A56" (day of the year)
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave space. DoD 4500.32-1-R, App F9.	"A" (RORO will be in-transit to the POE for 10 days)
Blank	FILLER4	64	67	M	Leave blank	" "
RORO Quantity	CONT_QTY	68	71	M	1	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of RORO and its contents. Leading zeros if necessary.	"02000"
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of RORO. Leading zeros if necessary	"1320"

### 3.2.4.14.3 Advance TCMD for Loaded RORO (T\_2) Constraints

The T\_2 must be followed by at least one Advance TCMD record for a shipment unit loaded in the RORO.



#### 3.2.4.14.4 Advance TCMD for Loaded RORO (T\_2) Sample

An example T\_2 is shown in Figure 3-19.

TX2V1234FB9901 RZDGUNBLV2RTAWAB0B0\$0F00130XXFB46082239S4A56A 0001020001230

**Figure 3-19. Advance TCMD for Loaded RORO (T\_2) Sample.**

#### 3.2.4.15 Advance TCMD for Loaded SEAVAN/MILVAN (T\_2)

##### 3.2.4.15.1 Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) Description

The advance TCMD T\_2 documents a loaded SEAVAN/MILVAN. The advance TCMD provides information about the container and its contents. It is not part of a manifest.

##### 3.2.4.15.2 Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) Format

An example of the T\_2 format for ocean movement is shown in Table 3-19a and the format for air movement is shown in Table 3-19b.

**Table 3-19a. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_2. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX2"
SEAVAN/MILVAN Trailer Number	CONT_TRL_NBR	4	8	M	Last five digits of the SEAVAN/MILVAN number. DoD 4500.32-1-R, App F6.	"55555"
Ownership Code	SEAVAN/MILVAN_OWN_CD	9	12	M	DoD 4500.32-1-R SEAVAN ownership code, to include MILVANs, App F12.	"ACSL"
Used VAN Length	USED_VAN_LN	13	14	M	Length, in feet, of van space used.	"40"
Commodity Code	WTR_CMDTY_CD	15	19	M	Commodity code of the greatest cube within the SEAVAN/MILVAN. DoD 4500.32-1-R, App F20.	"700Z9"
Blank	FILLER1	20	20	M	Leave blank	" "

**Table 3-19a. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POE	POE	21	23	M	Port of Embarkation.	"1P1" (Beaufort, SC)
POD	POD	24	26	M	Port of Debarkation.	"HA9" (Dover, England)
Mode to POE	MODE	27	27	M	Mode to deliver containers to the port.	"A" (Motor)
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R code.	"ZB"
SEAVAN/MILVAN TCN	TCN_CONT	30	46	M	TCN of the SEAVAN/MILVAN.	"AWAB0B0\$0 F00450XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the VAN. Enter intermediate stopoff consignees and final consignee in T_R.	"FB4608"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the SEAVAN/MILVAN.	"4"
Earliest RDD	RDD	54	56	M	Earliest RDD of any shipment unit in the SEAVAN/MILVAN.	"240"
Consignee Qty	CONSIGNEE_QTY	57	57	M	Enter consignee quantity indicator based on number of consignees and method of delivery. (See Data Definitions.)	"M"
Shipment Unit Totals	CONT_TOT_SU	58	59	M	Total number of shipment units loaded in the SEAVAN/MILVAN. If quantity is greater than 99, enter XX and put the quantity in a T_9.	"55"
Release Date	DATE_RELEASE	60	62	O	Day the SEAVAN/MILVAN is expected to be released for movement to POE. If loaded at the POE, leave spaces.	"156"
ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	"A"
Van Cubic Capacity	VAN_CUBE_CAP	64	67	M	Enter VAN cubic capacity in whole cubic feet as listed on the van. Leading zeros.	"1320"
SEAVAN/MILVAN Quantity	CONT_QTY	68	71	M	For MILVANS, enter 0001. For SEAVANS, enter total number of pieces in van. Leading zeros.	"0001"

**Table 3-19a. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Total Weight	CONT_TOT_WT	72	76	M	Weight of MILVAN and its contents or weight of SEAVANs contents. Leading zeros.	"02000"
Gross Cube	MOD_CUBE	77	80	M	MILVAN, enter outside cube of van. For SEAVAN, enter total cube of the van contents. Leading zeros.	"1320"

**Table 3-19b. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_2. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	TX2
SEAVAN/MILVAN Trailer Number	CONT_TRL_NBR	4	8	M	Last five digits of the SEAVAN/MILVAN number. DoD 4500.32-1-R, App F6.	"55555"
Ownership Code	SEAVAN/MILVAN_OWN_CD	9	12	M	DoD 4500.32-1-R SEAVAN ownership code, to include MILVANs, App F12.	"ACSL"
Used VAN Length	USED_VAN_LN	13	14	M	Length, in feet, of van space used.	"40"
Blank	FILLER3	15	17	M	Leave blank	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Commodity code of the greatest cube within the SEAVAN/MILVAN. DoD 4500.32-1-R, App F2.	"RZ"
Air Dimension Code	AIR_DIM_CD	20	20	M	Air Dimension Code, DoD 4500.32-1-R App F3.	"D"
POE	POE	21	23	M	Port of Embarkation.	"PQS"
POD	POD	24	26	M	Port of Debarkation.	"RCU"
Mode to POE	MODE	27	27	O	Mode to deliver containers to the port.	"A" (Motor)
Type Pack Code	TYPE_PK_CD	28	29	M	MILSTAMP code.	"ZB"
SEAVAN/MILVAN TCN	TCN_CONT	30	46	M	TCN of the SEAVAN/MILVAN.	"AWAB0B0\$0F00450XX"

**Table 3-19b. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the VAN. Enter intermediate stopoff consignees and final consignee in T_R.	"FB4608"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the SEAVAN/MILVAN.	"4"
Earliest RDD	RDD	54	56	M	Earliest RDD of any shipment unit in the SEAVAN/MILVAN.	"240"
Consignee Qty	CONSIGNEE_QTY	57	57	M	Enter consignee quantity indicator based on number of consignees and method of delivery. (See Data Definitions.)	"M"
Shipment Unit Totals	CONT_TOT_SU	58	59	O	Total number of shipment units loaded in the SEAVAN/MILVAN. If quantity is greater than 99, enter XX and put the quantity in a T_9.	"55"
Release Date	DATE_RELEASE	60	62	O	Day the SEAVAN/MILVAN is expected to be released for movement to POE. If loaded at the POE, leave spaces.	"156"
ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	"A"
Van Cubic Capacity	VAN_CUBE_CAP	64	67	M	Enter VAN cubic capacity in whole cubic feet as listed on the van. Leading zeros.	"1320"
SEAVAN/MILVAN Quantity	CONT_QTY	68	71	M	For MILVANS, enter 0001. For SEAVANS, enter total number of pieces in van. Leading zeros.	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight of MILVAN and its contents or weight of SEAVANS contents. Leading zeros.	"02000"
Gross Cube	MOD_CUBE	77	80	M	For MILVAN, enter outside cube of van. For SEAVAN, enter total cube of the van contents. Leading zeros	"1320"

### **3.2.4.15.3 Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) Constraints**

Each T\_2 record may be followed by its associated trailer Advance TCMDs that pertain to the container. A T\_2 must be followed by at least one or more T\_4 or T\_3 with associated trailer Advance TCMDs as applicable.

### **3.2.4.15.4 Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) Example**

An example of a T\_2 is shown in Figure 3-20.

```
TX255555ACSL40700Z9  
1PH1HA9AZBAWAB0B0$0F00450XXFB460842240M55156A1320
```

**Figure 3-20. Advance TCMD for Loaded SEAVAN/MILVAN (T\_2) Example.**

### **3.2.4.16 Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3)**

#### **3.2.4.16.1 Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Description**

The T\_3 record documents a loaded CONEX or other container, that contains one or more shipment units. In this case, the consolidation container is not an RORO, SEAVAN, or MILVAN. It can be a vehicle/trailer loaded with other cargo.

The T\_3 format changes when the consolidation container, documented by the T\_3, is loaded into a SEAVAN/MILVAN. T\_3 will now document the container number of the CONEX, Unitized Pallet, or other consolidation container, and the container number of the SEAVAN/MILVAN into which it is loaded.

#### **3.2.4.16.2 Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Format**

An example of a T\_3 format for ocean movement is shown in Table 3-20a. An example of a T\_3 format for air movement is shown in Table 3-20b. An example of a T\_3 format for ocean movement of a CONEX, Unitized Pallet, or other consolidation container loaded in a SEAVAN/MILVAN is shown in Table 3-20c. An example of a T\_3 format for ocean movement of a CONEX, Unitized Pallet, or other consolidation container loaded in a SEAVAN/MILVAN is shown in Table 3-20d.

**Table 3-20a. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_3. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX3"
CONEX, Unitized Pallet, or other Consolidation Container Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container.	"23234"
Loading Activity DoDAAC	BLDG_ACT	9	14	M	Enter DoDAAC of activity that loaded the consolidation container.	"WIGBE4"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	DoD 4500.32-1-R, App F20. Commodity code for the cargo with the greatest cubic feet in the container.	"584Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	If not an air movement, leave a space. DoD 4500.32-1-R, App F3.	" "
POE	POE	21	23	M	Port of Embarkation. DoD 4500.32-1-R, App F21.	"2E1"
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App F21.	"4K1"
Mode to POE	MODE	27	27	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	"X5"
TCN	TCN_CONT	30	46	M	TCN of the container.	"AWAD1A0\$0 F00040XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the CONEX, Unitized Pallet, or other consolidation container.	"W16GIG"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container.	"1"
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container. If no RDDs are present on the associated T_4s, leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code if any, otherwise leave spaces.	" "

**Table 3-20a. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Release Date	DATE_RELEASE	60	62	O	Day the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F7.	"145"
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	"2"
Blank	FILLER4	64	67		Leave blank.	" "
CONEX, Unitized Pallet, or other Consolidation Container Quantity	CONT_QTY	68	71	M	1	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of CONEX, Unitized Pallet, or other consolidation container and its contents. Leading zeros.	"05300"
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of CONEX, Unitized Pallet, or other consolidation container. Leading zeros.	"0017"

**Table 3-20b. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_3. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX3"
CONEX, Unitized Pallet, or other Consolidation Container Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container.	"23234"
Loading Activity DoDAAC	BLDG_ACT	9	14	M	Enter DoDAAC of activity that loaded the consolidation container.	"WIGBE4"
Blank	FILLER3	15	17	M	Leave blank.	" "

**Table 3-20b. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Air Commodity Code	AIR_CMDTY_CD	18	19	M	For air, enter a two-position code from DoD 4500.32-1-R, App F2.	“RF”
Air Dimension Code	AIR_DIM_CD	20	20	M	DoD 4500.32-1-R, App F3.	“D”
POE	POE	21	23	M	Port of Embarkation. DoD 4500.32-1-R, App 4.	“STL”
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App 4.	“BAH”
Mode to POE	MODE	27	27	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	“X5”
TCN	TCN_CONT	30	46	M	TCN of the container.	“AWAD1A0\$0 F00040XX”
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the CONEX, Unitized Pallet, or other consolidation container.	“W16GIG”
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container.	“1”
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container. If no RDDs are marked, leave spaces.	“163”
Project Code	PROJECT	57	59	O	Enter Project Code if any, otherwise leave spaces.	“ ”
Release Date	DATE_RELEASE	60	62	O	Air Hour/Day code the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F7.	“A45”
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	“2”
Blank	FILLER4	64	67	M	Leave blank.	“ ”
CONEX, Unitized Pallet, or other Consolidation Container Quantity	CONT_QTY	68	71	M	1	“0001”



**Table 3-20b. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of CONEX, Unitized Pallet, or other consolidation container and its contents. Leading zeros.	"05300"
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of CONEX, Unitized Pallet, or other consolidation container. Leading zeros.	"0017"

**Table 3-20c. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Loaded in a SEAVAN, MILVAN, or RORO for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_3. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX3"
SEAVAN/ MILVAN, Container Trailer Number	CONT_TRL_NBR	4	8	M	When the consolidation container is further loaded into an RORO, SEAVAN/ MILVAN, enter the RORO, SEAVAN/MILVAN number. DoD 4500.32-1-R, App F6.	"55555"
CONEX, Unitized Pallet, or other Consolidation Container Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Enter the consolidation container's number in RP 9-14 and leave a space in RP 14.	"23234 "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	DoD 4500.32-1-R, App F20. Commodity code for the cargo with the greatest cubic feet in the container.	"584Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	If not an air movement, leave a space. DoD 4500.32-1-R, App F3.	" "
POE	POE	21	23	M	Port of Embarkation. DoD 4500.32-1-R, App F21.	"2E1"
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App F21.	"4K1"
Mode to POE	MODE	27	27	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13.	"F"

**Table 3-20c. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Loaded in a SEAVAN, MILVAN, or RORO for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	"X5"
TCN	TCN_CONT	30	46	M	TCN of the container.	"AWAD1A0\$0F00040XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the CONEX, Unitized Pallet, or other consolidation container.	"W16GIG"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container.	"1"
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container. If no RDDs are marked on the associated T_4s, leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Day the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F7.	"145"
Stopoff Delivery	STOPOFF_DELIVERY_CODE	63	63	O	When the consolidation container is loaded in an RORO, SEAVAN, or MILVAN, enter the code to indicate if the shipment units are to be delivered to the RORO, MILVAN, or SEAVAN Consignee or at a stopoff point.	"Z"
Blank	FILLER4	64	67	M	Leave blank.	" "
CONEX, Unitized Pallet, or other Consolidation Container Quantity	CONT_QTY	68	71	M	1	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of CONEX, Unitized Pallet, or other consolidation container and its contents. Leading zeros.	"05300"

**Table 3-20c. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Loaded in a SEAVAN, MILVAN, or RORO for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of CONEX, Unitized Pallet, or other consolidation container. Leading zeros.	"0017"

**Table 3-20d. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Loaded in a SEAVAN, MILVAN, or RORO for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_3. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX3"
SEAVAN/MILVAN, Container Trailer Number	CONT_TRL_NBR	4	8	M	When the consolidation container is further loaded into an RORO, SEAVAN/MILVAN, enter the RORO, SEAVAN/MILVAN number. DoD 4500.32-1-R, App F6.	"V5555"
CONEX, Unitized Pallet, or other Consolidation Container Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Enter the consolidation container's number in RP 9-14 and leave a space in RP 14.	"23234 "
Blank	FILLER3	15	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	For air, enter a two-position code from DoD 4500.32-1-R, App F2.	"RF"
Air Dimension Code	AIR_DIM_CD	20	20	M	DoD 4500.32-1-R, App F3.	"D"
POE	POE	21	23	M	Port of Embarkation. DoD 4500.32-1-R, App 4.	"PQS"
POD	POD	24	26	M	Port of Debarkation. DoD 4500.32-1-R, App 4.	"RCU"
Mode to POE	MODE	27	27	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	DoD 4500.32-1-R, App F14.	"X5"
TCN	TCN_CONT	30	46	M	TCN of the container.	"AWAD1A0\$0 F00040XX"

**Table 3-20d. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Loaded in a SEAVAN, MILVAN, or RORO for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the CONEX, Unitized Pallet, or other consolidation container.	"W16GIG"
Trans Priority	PRIORITY	53	53	M	Highest priority of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container.	"1"
Earliest RDD	RDD	54	56	C	Earliest RDD of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container. If no RDDs are marked, leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Air Hour/Day code the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank. DoD 4500.32-1-R, App F7.	"A45"
Stopoff Delivery	STOPOFF_DELIVERY_CODE	63	63	O	Enter the code to indicate if the shipment units are to delivered to the RORO, MILVAN or SEAVAN Consignee, or at a stopoff point.	"Z"
Blank	FILLER4	64	67	M	Leave blank.	" "
CONEX, Unitized Pallet, or other Consolidation Container Quantity	CONT_QTY	68	71	M	1	"0001"
Total Weight	CONT_TOT_WT	72	76	M	Weight, in pounds, of CONEX, Unitized Pallet, or other consolidation container and its contents. Leading zeros.	"05300"
Gross Cube	VAN_CUBE_CAP	77	80	M	Gross cubic feet of CONEX, Unitized Pallet, or other consolidation container. Leading zeros.	"0017"

### **3.2.4.16.3 Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Constraints**

The T\_3 must be followed by at least one Advance TCMD (T\_4) record for a shipment unit loaded in the CONEX, Unitized Pallet or other consolidation container. When the CONEX, Unitized Pallet or other consolidation container is further loaded into a SEAVAN/MILVAN, the T\_3 must be preceded by the associated T\_2, and the T\_3 must be followed by at least one T\_4.

### **3.2.4.16.4 Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Example**

An example of a T\_3 is shown in Figure 3-21.

TX323234WIGBE4584Z9 2E14K1FX5AWAD1A0\$0F00040XXW16GIG1163 1452 0001053000017

**Figure 3-21. Advance TCMD for Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_3) Example.**

### **3.2.4.17 Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4)**

#### **3.2.4.17.1 Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Description**

The T\_4 documents a shipment unit loaded into a consolidation container. When the shipment unit is loaded into a SEAVAN/MILVAN, the T\_4 follows the T\_2. When the shipment unit is loaded into a CONEX or other consolidation container, the T\_4 follows the T\_3. If the consolidation container, documented by the T\_3, is loaded into a SEAVAN/MILVAN (T\_2), the T\_4 will document the container numbers of both the T\_3 and T\_2.

#### **3.2.4.17.2 Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Format**

The format for a T\_4 for ocean movement is shown in Table 3-21a. The format for a T\_4 for air movement is shown in Table 3-21b. The format for a T\_4 in a consolidation container loaded in a SEAVAN/MILVAN for ocean movement is shown in Table 3-21c. The format for a T\_4 in a consolidation container loaded in a SEAVAN/MILVAN for air movement is shown in Table 3-21d.

**Table 3-21a. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_4. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX4"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container that the shipment unit is loaded directly into. (Matches the corresponding T_2 or T_3.)	"23234"
Consignor	CONSIGNOR	9	14	M	DoDAAC of consignor of the actual shipment unit.	"FE4819"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	DoD 4500.32-1-R, App F20. Commodity code for the cargo with the greatest cubic feet in the container.	"584Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	If not an air movement, leave a space.	" "
POE	POE	21	23	M	Port of embarkation, DoD 4500.32-1-R, App F21.	"2E1"
POD	POD	24	26	M	port of debarkation, DoD 4500.32-1-R, App F21.	"4K1"
Mode to POE	MODE	27	27	M	Mode by which shipment unit is to be delivered to the port.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	MILSTAMP code.	"PC"
TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC of the ultimate consignee.	"W16GIG"
Shipment Unit Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"1"
Shipment Unit RDD	RDD	54	56	O	RDD of the shipment unit, if any, otherwise leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code, if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Day the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank.	"145"
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	"2"
TAC	TAC	64	67	O	MILSTAMP, Vol II.	" "
Shipment Unit Pieces	MOD_PC	68	71	M	Number of pieces for the shipment unit.	"0001"

**Table 3-21a. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Total Weight	MOD_WT	72	76	M	Weight, in pounds, of the shipment unit. Leading zeros.	"01000"
Gross Cube	MOD_CUBE	77	80	M	Gross cubic feet of the shipment unit. Leading zeros.	"0250"

**Table 3-21b. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_4. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX4"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container that the shipment unit is loaded in. (Matches the corresponding T_2 or T_3.)	"23234"
Consignor	CONSIGNOR	9	14	M	DoDAAC of consignor of the actual shipment unit.	"FE4819"
Short Shelf-Life	SHORT_SHELF_ITEM_CODE	15	15	O	For short shelf-life item air shipments enter the appropriate code, K, Z, or M. If not a short shelf-life item, leave a space.	" "
Blank	FILLER2	16	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Enter a two-position code from DoD 4500.32-1-R, App F2.	"RF"
Air Dimension Code	AIR_DIM_CD	20	20	M	If not an air movement, leave a space. DoD 4500.32-1-R, App F3.	"Z"
POE	POE	21	23	M	Port of embarkation, DoD 4500.32-1-R, App F4.	"PQS"
POD	POD	24	26	M	Port of Debarkation, DoD 4500.32-1-R, App F4.	"RCU"
Mode to POE	MODE	27	27	M	Mode by which shipment unit is to be delivered to the port.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	MILSTAMP Code.	"PC"
TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAD1A0\$0 G00040XX"

**Table 3-21b. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignee	CONSIGNEE	47	52	M	DoDAAC of the ultimate consignee.	"W16GIG"
Shipment Unit Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"1"
Shipment Unit RDD	RDD	54	56	O	RDD of the shipment unit, if any, otherwise leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code, if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Air Hour/Day Code the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank.	"A45"
POE ETA	POE_ETA	63	63	O	Code for estimated time of arrival at the POE. If loaded at the POE, leave a space.	"2"
TAC	TAC	64	67	O	MILSTAMP, Vol II.	" "
Shipment Unit Pieces	MOD_PC	68	71	M	Number of pieces for the shipment unit.	"0001"
Total Weight	MOD_WT	72	76	M	Weight, in pounds, of the shipment unit. Leading zeros.	"01000"
Gross Cube	MOD_CUBE	77	80	M	Gross cubic feet of the shipment unit. Leading zeros.	"0250"

**Table 3-21c. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Loaded into a SEAVAN, MILVAN, or RORO for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_4. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX4"
SEAVAN/MILVAN, Container/Trailer Number	CONT_TRL_NBR	4	8	C	When the shipment unit is in a consolidation container (T_3), which is in a RORO/SEAVAN/MILVAN, enter the number of the RORO/SEAVAN/MILVAN from the associated T_2.	"V9879"



**Table 3-21c. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Loaded into a SEAVAN, MILVAN, or RORO for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Container/Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Number marked on the consolidation container that is loaded in the RORO/SEAVAN/MILVAN container.	"23234"
Water Commodity Code	WTR_CMDTY_CD	15	19	C	DoD 4500.32-1-R, App F20. Commodity code for the cargo with the greatest cubic feet in the container.	"584Z9"
Air Dimension Code	AIR_DIM_CD	20	20	C	If not an air movement, leave a space.	" "
POE	POE	21	23	M	Port of embarkation.	"2E1"
POD	POD	24	26	M	Port of debarkation.	"4K1"
Mode to POE	MODE	27	27	M	Mode by which shipment unit is to be delivered to the port.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	MILSTAMP Code.	"PC"
TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC of the ultimate consignee.	"W16GIG"
Shipment Unit Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"1"
Shipment Unit RDD	RDD	54	56	O	RDD of the shipment unit, if any, otherwise leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code, if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Day the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank.	"145"
Stopoff Delivery	STOPOFF_DELIVERY_CODE	63	63	C	When the T_4's consolidation container is loaded in a RORO, SEAVAN or MILVAN, enter the code to indicate if the shipment units are to delivered to the RORO, MILVAN or SEAVAN Consignee, or at a stopoff point.	"2"
TAC	TAC	64	67	O	MILSTAMP, Vol II.	" "
Shipment Unit Pieces	MOD_PC	68	71	M	Number of pieces for the shipment unit.	"0001"

**Table 3-21c. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Loaded into a SEAVAN, MILVAN, or RORO for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Total Weight	MOD_WT	72	76	M	Weight, in pounds, of the shipment unit. Leading zeros.	"01000"
Gross Cube	MOD_CUBE	77	80	M	Gross cubic feet of the shipment unit. Leading zeros.	"0250"

**Table 3-21d. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Loaded into a SEAVAN, MILVAN, or RORO for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_4. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8.	"TX4"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	When the shipment unit is in a consolidation container (T_3), which is in an RORO/SEAVAN/MILVAN, enter the number from the T_2.	"V9879"
Container/Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Number marked on the consolidation container that the shipment unit is loaded in. (Matches the corresponding T_2 or T_3.)	"23234"
Short Shelf-Life	SHORT_SHELF_ITEM_CODE	15	15	O	For short shelf-life item air shipments enter the appropriate code, K, Z, or M. If not a short shelf-life item, leave a space.	" "
Blank	FILLER2	16	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M		"RF"
Air Dimension Code	AIR_DIM_CD	20	20	M	DoD 4500.32-1-R, App F3.	"Z"
POE	POE	21	23	M	Port of embarkation, DoD 4500.32-1-R, App F4.	"PQS"
POD	POD	24	26	M	Port of debarkation, DoD 4500.32-1-R, App F4.	"RCU"
Mode to POE	MODE	27	27	M	Mode by which shipment unit is to be delivered to the port.	"F"

**Table 3-21d. Advance TCMD for Shipment Units Loaded into all Consolidation Containers (T\_4) Loaded into a SEAVAN, MILVAN, or RORO for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Type Pack Code	TYPE_PK_CD	28	29	M	MILSTAMP Code.	"PC"
TCN	TCN	30	46	M	TCN of the shipment unit.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC of the ultimate consignee.	"W16GIG"
Shipment Unit Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	"1"
Shipment Unit RDD	RDD	54	56	O	RDD of the shipment unit, if any, otherwise leave spaces.	"163"
Project Code	PROJECT	57	59	O	Enter Project Code, if any, otherwise leave spaces.	" "
Release Date	DATE_RELEASE	60	62	O	Air Hour/Day Code the consolidation container is expected to be released for movement to POE. If loaded at the POE, leave blank.	"A45"
Stopoff Delivery	STOPOFF_DELIVERY_CODE	63	63	C	When the T_4's consolidation container is loaded in a RORO, SEAVAN or MILVAN, enter the code to indicate if the shipment units are to be delivered to the RORO, MILVAN or SEAVAN Consignee, or at a stopoff point.	"2"
TAC	TAC	64	67	O	MILSTAMP, Vol II.	" "
Shipment Unit Pieces	MOD_PC	68	71	M	Number of pieces for the shipment unit.	"0001"
Total Weight	MOD_WT	72	76	M	Weight, in pounds, of the shipment unit. Leading zeros.	"01000"
Gross Cube	MOD_CUBE	77	80	M	Gross cubic feet of the shipment unit. Leading zeros.	"0250"

### 3.2.4.17.3 Advance TCMD for Shipment Unit Loaded into all Consolidation Containers (T\_4) Constraints

The T\_4 may be followed by zero, one, or more advanced TCMD trailer records for the shipment unit loaded in the SEAVAN, MILVAN, CONEX, Unitized Pallet or other consolidation container.

#### 3.2.4.17.4 Advance TCMD for Shipment Unit Loaded into all Consolidation Containers (T\_4) Example

An example of a T\_4 is shown in Figure 3-22.

```
TU4ET001M3100 65AZ8
GUNBLVFPCMB5BA1$0000030XXM000162289FTA340XG0120001000200001
```

**Figure 3-22. Advance TCMD for Shipment Unit Loaded into all Consolidation Containers (T\_4) Example.**

#### 3.2.4.18 Advance TCMD for Outsized Dimensions (T\_5) Transaction

##### 3.2.4.18.1 Advance TCMD for Outsized Dimensions (T\_5) Description

The T\_5 trailer record is required for outsized cargo and for Government vehicles, trailers, wheeled guns, and aircraft. An Outsized Dimensions record is associated with a prime TCMD record. The Outsized Dimensions record is tied to the TCMD record through the TCN and DOC\_ID. The first two positions of the DOC\_ID on the Outsized Dimensions record match the associated TCMD record. All Outsized Dimensions records are in 80-character standard MILSTAMP format. There are multiple formats for the T\_5: one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to other than Central and South America; one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central and South America; one for outsized cargo moving by ocean; and one for outsized cargo moving by air.

##### 3.2.4.18.2 Advance TCMD for Outsized Dimensions (T\_5) Format

The format of the T\_5 for Government vehicles, trailers, wheeled guns, and aircraft not being shipped to Central or South America is shown in Table 3-22a. The format of the T\_5 for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central or South America is shown in Table 3-22b. The format of the T\_5 for outsized cargo moving by ocean is shown in Table 3-22c. The format of the T\_5 for outsized cargo moving by air is shown in Table 3-22d.

**Table 3-22a. Advance TCMD for Government Vehicles, Trailers, Wheeled Guns, and Aircraft (T\_5) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated T_4 or T_0/1 record.	"TV5
Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T-0/1 or T_4.	" "

**Table 3-22a. Advance TCMD for Government Vehicles, Trailers, Wheeled Guns, and Aircraft (T\_5) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Model	MODEL	9	14	O	Model of the shipment unit - aircraft, vehicle, trailer, or wheeled gun. (Not being shipped to Central or South America.)	"M35A2"
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	M	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two.	"BII02" (Two sets of BII)
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	"Z "
POE	POE	21	23	M	Same as prime TCMD data entry.	"PCS"
POD	POD	24	26	M	Same as prime TCMD data entry.	"RCU"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"VE"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0D00150XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Cargo Length	CARGO_LTH	54	58	M	Length in inches. Left zero fill.	"00168"
Length Indicator	L_CONSTANT	59	59	M	"L" Indicates the dimensions in position 54-58 is the length.	"L"
Cargo Width	CARGO_WTH	60	62	M	Width in inches. Left zero fill.	"104"
Width Indicator	H_CONSTANT	63	63	M	"W" Indicates the dimensions in position 60-62 is the width.	"W"
Cargo Height	CARGO_HT	64	66	M	Height in inches. Left zero fill.	"080"
Height Indicator	H_CONSTANT	67	67	M	"H" Indicates the dimensions in position 64-66 is the height.	"H"
Serial Number	SERIAL_NBR	68	80	C	TV5, enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces.	" "

**Table 3-22b. Advance TCMD for Government Vehicles, Trailers, Wheeled Guns, and Aircraft to Central or South America (T\_5) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated T_4 or T_0/1 record. For shipments of vehicles to Central and South America, a TV9 trailer entry indicating the vehicle make and year in RP 54-79 is required.	"TV5"
Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T-0/1 or T_4.	" "
Abbreviated Nomenclature	NOMENCLATURE	9	14	O	Nomenclature for the shipment unit when it is a Government vehicle, trailer, wheeled/tracked gun, or aircraft that is being shipped to Central or South America.	"M998 "
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	M	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two.	"BII02" (Two sets of BII)
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	"Z"
POE	POE	21	23	M	Same as prime TCMD data entry.	"PCS"
POD	POD	24	26	M	Same as prime TCMD data entry.	"RCU"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"VE"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 D00150XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Cargo Length	CARGO_LTH	54	58	M	Length in inches. Left zero fill.	"00168"
Length Indicator	L_CONSTANT	59	59	M	"L" Indicates the dimensions in position 54-58 is the length.	"L"
Cargo Width	CARGO_WTH	60	62	M	Width in inches. Left zero fill.	"104"
Width Indicator	H_CONSTANT	63	63	M	"W" Indicates the dimensions in position 60-62 is the width.	"W"

**Table 3-22b. Advance TCMD for Government Vehicles, Trailers, Wheeled Guns, and Aircraft to Central or South America (T\_5) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Cargo Height	CARGO_HT	64	66	M	Height in inches. Left zero fill.	"080"
Height Indicator	H_CONSTANT	67	67	M	"H" Indicates the dimensions in position 64-66 is the height.	"H"
Serial Number	SERIAL_NBR	68	80	C	Enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces.	" "

**Table 3-22c. Advance TCMD for Outsized Dimensions Ocean Movement (T\_5) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated T_4 or T_0/1 record. (Other than a TV5.)	"TX5"
Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T-0/1 or T_4.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"8929Z"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "
POE	POE	21	23	M	Same as prime TCMD data entry.	"2K1"
POD	POD	24	26	M	Same as prime TCMD data entry.	"4K1"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"VE"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0D00150XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"

**Table 3-22c. Advance TCMD for Outsized Dimensions Ocean Movement (T\_5) Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Cargo Length	CARGO_LTH	54	58	M	Length in inches. Left zero fill.	"00168"
Length Indicator	L_CONSTANT	59	59	M	"L" Indicates the dimensions in position 54-58 is the length.	"L"
Cargo Width	CARGO_WTH	60	62	M	Width in inches. Left zero fill.	"104"
Width Indicator	W_CONSTANT	63	63	M	"W" Indicates the dimensions in position 60-62 is the width.	"W"
Cargo Height	CARGO_HT	64	66	M	Height in inches. Left zero fill.	"080"
Height Indicator	H_CONSTANT	67	67	M	"H" Indicates the dimensions in position 64-66 is the height.	"H"
Pieces	PR_DOC_PC	68	71	M	Number of pieces to which above dimensions apply.	"0001"
Piece Weight	PR_DOC_WT	72	76	M	Weight of one of the pieces to which dimensions apply. TCMD prime has total.	"03500"
Piece Cube	PR_DOC_CUBE	77	80	M	Cube of one of the pieces. TCMD has total.	"0017"

**Table 3-22d. Advance TCMD for Outsized Dimensions Air Movement (T\_5) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated T_4 or T_0/1 record. (Other than a TV5.)	"TX5"
Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T-0/1 or T_4.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Blank	FILLER3	15	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	"VM"
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	"Z"
POE	POE	21	23	M	Same as prime TCMD data entry.	"PCS"



**Table 3-22d. Advance TCMD for Outsized Dimensions Air Movement (T\_5) Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POD	POD	24	26	M	Same as prime TCMD data entry.	"RCU"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"VE"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 D00150XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Cargo Length	CARGO_LTH	54	58	M	Length in inches. Left zero fill.	"00168"
Length Indicator	L_CONSTANT	59	59	M	"L" Indicates the dimensions in position 54-58 is the length.	"L"
Cargo Width	CARGO_WTH	60	62	M	Width in inches. Left zero fill.	"104"
Width Indicator	W_CONSTANT	63	63	M	"W" Indicates the dimensions in position 60-62 is the width.	"W"
Cargo Height	CARGO_HT	64	66	M	Height in inches. Left zero fill.	"080"
Height Indicator	H_CONSTANT	67	67	M	"H" Indicates the dimensions in position 64-66 is the height.	"H"
Pieces	PR_DOC_PC	68	71	M	Number of pieces to which above dimensions apply.	"0001"
Piece Weight	PR_DOC_WT	72	76	M	Weight of one of the pieces to which dimensions apply. TCMD prime has total.	"03500"
Piece Cube	PR_DOC_CUBE	77	80	M	Cube of one of the pieces. TCMD has total.	"0017"

### 3.2.4.18.3 Advance TCMD for Outsized Dimensions (T\_5) Constraints

This record must follow its associated advance TCMD record. Comment trailer records (T\_9) which match the first two positions of the DOC\_ID may occur after the Outsized Dimensions record as well as other trailer records.

### 3.2.4.18.4 Advance TCMD for Outsized Dimensions (T\_5) Example

An example of the T\_5 transaction is shown in Figure 3-23.

TV5LAV03M998 BII01 1D11D7ZVOM00820\$\$\$0000010XXM00236900187L096W074HLAV03

**Figure 3-23. Advance TCMD for Outsized Dimensions and Government Vehicle (T\_5) Example.**

**3.2.4.19 Advance TCMD for Ammunitions and Explosives (TE6), Hazardous Materials (TJ6), and Stock Number (T\_6) Transaction**

**3.2.4.19.1 Advance TCMD for Ammunitions and Explosives (TE6), Hazardous Materials (TJ6), and Stock Number (T\_6) Description**

TE6, TJ6, and T\_6 trailer records are required to be associated with an advance TCMD record for single shipment units not in a consolidation container, hazardous materials, ammunitions and explosives. The Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record is tied to the advance TCMD prime record through the TCN and DOC\_ID. The first two positions of the DOC\_ID on the Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record match the associated advance TCMD record. All Ammunitions and Explosives, Hazardous Materials, and Stock Number records are in 80-character standard MILSTAMP format.

The T\_6 has three basic formats, which will also vary for shipments by air or ocean. The formats are dependent on the code in the second position of the DOC\_ID. The TE6 format is for ammunitions and explosives. TJ6 is for other hazardous material. T\_6 is for stock numbered items that are not ammunitions, explosives, or other hazardous material.

**3.2.4.19.2 Advance TCMD for Ammunitions and Explosives (TE6), Hazardous Materials (TJ6), and Stock Number (T\_6) Format**

The format of the TE6 for ocean movement is shown in Table 3-23a. The format of the TE6 for air movement is shown in Table 3-23b. The format of the TJ6 for ocean movement is shown in Table 3-23c. The format of the TJ6 for air movement is shown in Table 3-23d. The format of the T\_6 for ocean movement is shown in Table 3-23e. The format of the T\_6 for air movement is shown in Table 3-23f.

**Table 3-23a. Advance TCMD for Ammunitions and Explosives (TE6) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TE6. Second position of the DIC matches the associated prime TCMD.	“TE6”
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	“ ”

**Table 3-23a. Advance TCMD for Ammunitions and Explosives (TE6) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Round Count	COUNT	9	14	M	Total round count or, if in excess of 999,999, the number of thousands followed by an M.	"13300"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"680F6"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	"Z"
POE	POE	21	23	M	Same as prime TCMD data entry.	"2E1"
POD	POD	24	26	M	Same as prime TCMD data entry.	"4K1"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"CS"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	"554000123876 5"
DoDIC	DoDIC	67	70	M	DoDIC for TE6.	"A540"
Class Division	CLASS_DIV	71	72	M	See IMDGC, 49 CFR. Two-digit UN class and division number, including decimal fraction.	"01"
Blank	FILLER1	73	73	M	Leave Blank.	" "
UN or NA	UN_NA	74	75	M	Contains value "UN" or "NA."	"UN"
Identification Number	IDENT_NBR	76	79	M	Four digit from IMDGC or other pub.	"0452"
Compatibility Group	COMPATIBILITY_GP	80	80	M	Enter compatibility group code from IMDGC or 49 CFR, otherwise leave a space.	"G"

**Table 3-23b. Advance TCMD for Ammunitions and Explosives (TE6) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TE6. Second position of the DIC matches the associated prime TCMD.	“TE6”
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	“ ”
Round Count	COUNT	9	14	M	Total round count or, if in excess of 999,999, the number of thousands followed by an M.	“13300”
Blank	FILLER3	15	17	M	Leave Blank.	“ ”
AIR_COMDTY_CD	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	“VM”
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	“Z”
POE	POE	21	23	M	Same as prime TCMD data entry.	“PQS”
POD	POD	24	26	M	Same as prime TCMD data entry.	“RCU”
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CS”
TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 G00040XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	“554000123876 5”
DoDIC	DoDIC	67	70	M	DoDIC for TE6.	“A021”
Class Division	CLASS_DIV	71	72	M	See IMDGC, 49 CFR. Two-digit UN class and division number, including decimal fraction.	“01”
Blank	FILLER1	73	73	M	Leave blank.	“ ”
UN or NA	UN_NA	74	75	M	Contains value “UN” or “NA.”	“UN”
Identification Number	IDENT_NBR	76	79	M	Four digit from IMDGC or other pub if TE or TJ6, otherwise leave spaces.	“0452”

**Table 3-23b. Advance TCMD for Ammunitions and Explosives (TE6) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Compatibility Group	COMPATIBILITY_GP	80	80	M	For TE6, enter compatibility group code from IMDGC or 49 CFR.	"G"

**Table 3-23c. Advance TCMD for Hazardous Materials (TJ6) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TJ6 Second position of the DIC matches the associated prime TCMD.	"TJ6"
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"436V9"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "
POE	POE	21	23	M	Same as prime TCMD data entry.	"2E1"
POD	POD	24	26	M	Same as prime TCMD data entry.	"4K1"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"CS"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	"554000123876 5"
DoDIC	DoDIC	67	70	M	"IMO" for TJ6.	"IMO"
Class Division	CLASS_DIV	71	72	M	See IMDGC, 49 CFR. Two-digit UN class and division number, including decimal fraction.	"01"

**Table 3-23c. Advance TCMD for Hazardous Materials (TJ6) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER1	73	73	M	Leave blank.	“ ”
UN or NA	UN_NA	74	75	M	Contains value “UN” or “NA.”	“UN”
Identification Number	IDENT_NBR	76	79	M	Four digit from IMDGC or other pub.	“0452”
Blank	FILLER1	80	80	M	Leave blank.	“ ”

**Table 3-23d. Advance TCMD for Hazardous Materials (TJ6) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TJ6. Second position of the DIC matches the associated prime TCMD.	“TJ6”
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	“ ”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	“VM”
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	“Z”
POE	POE	21	23	M	Same as prime TCMD data entry.	“PQS”
POD	POD	24	26	M	Same as prime TCMD data entry.	“RCU”
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CS”
TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 G00040XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	“554000123876 5”
DoDIC	DoDIC	67	70	M	“IMO” for TJ6.	“IMO ”

**Table 3-23d. Advance TCMD for Hazardous Materials (TJ6) for Air Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Class Division	CLASS_DIV	71	72	M	See IMDGC, 49 CFR. Two-digit UN class and division number, including decimal fraction. If other than TE or TJ, leave spaces.	"01"
Blank	FILLER1	73	73	M	Leave blank.	" "
UN or NA	UN_NA	74	75	M	Contains value "UN" or "NA."	"UN"
Identification Number	IDENT_NBR	76	79	M	Four digit from IMDGC or other pub if TE or TJ6, otherwise leave spaces.	"0452"
Blank	FILLER1	80	80	M	Leave blank.	" "

**Table 3-23e. Advance TCMD for Stock Number (T\_6) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_6. Second position of the DIC matches the associated prime TCMD.	"TX6"
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	"V1234"
Blank	FILLER6	9	14	M	Leave blank.	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry for an ocean shipment.	"584V9"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "
POE	POE	21	23	M	Same as prime TCMD data entry.	"2E1"
POD	POD	24	26	M	Same as prime TCMD data entry.	"4K1"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"PC"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAB0B0\$0 G00130XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"FB4608"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"3"

**Table 3-23e. Advance TCMD for Stock Number (T\_6) for Ocean Movement Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	"6500019811110"
Nomenclature for Nonhazardous	ABRV_NOMEN	67	80	M	Enter the abbreviated nomenclature of the nonhazardous item listed in RP 54-66.	"TIRES "

**Table 3-23f. Advance TCMD for Stock Number (T\_6) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_6. Second position of the DIC matches the associated prime TCMD.	"TX6"
Trailer, Van, or Container Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	"V1234"
Blank	FILLER6	9	14	M	Leave blank.	" "
Blank	FILLER3	15	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	"RZ"
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	"A"
POE	POE	21	23	M	Same as prime TCMD data entry.	"STL"
POD	POD	24	26	M	Same as prime TCMD data entry.	"BAH"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"K"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"PC"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAB0B0\$0G00130XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"FB4608"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Stock Number	NSN	54	66	M	Enter NSN. If stock number is not known, enter NNSN in positions 54-57, leave 58-66 with spaces.	"6500019811110"



**Table 3-23f. Advance TCMD for Stock Number (T\_6) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Nomenclature for Nonhazardous	ABRV_NOMEN	67	80	M	Enter the abbreviated nomenclature of the nonhazardous item listed in RP 54-66.	"TIRES "

### 3.2.4.19.3 Advance TCMD for Ammunitions and Explosives (TE6), Hazardous Materials (TJ6), and Stock Number (T\_6) Constraints

This record must follow its associated advance TCMD prime record. Comment trailer records (T\_9), which match the first two positions of the DOC\_ID, may occur after the Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record as well as other trailer records.

### 3.2.4.19.4 Advance TCMD for Ammunitions and Explosives (TE6), Hazardous Materials (TJ6), and Stock Number (T\_6) Example

An example of a T\_6 is shown in Figure 3-24.

TU6ET001 65AZ8 GUNBLVFPCMB5BA1\$\$0000030XXM0001625820009303724 RADIO SET

**Figure 3-24. Advance TCMD for Stock Number (T\_6) Example.**

### 3.2.4.20 Advance TCMD for Net Explosive Weight and Lot Number (TE7) Transaction

#### 3.2.4.20.1 Advance TCMD for Net Explosive Weight and Lot Number (TE7) Description

The TE7 records are required to be associated with an advance TCMD record when the shipment unit is ammunition or explosives. The Net Explosive Weight and Lot Number record is tied to the advance TCMD prime record through the TCN and DOC\_ID. The first two positions of the DOC\_ID on the Net Explosive Weight and Lot Number record match the associated advance TCMD prime record. All Net Explosive Weight and Lot Number records are in 80-character standard MILSTAMP format.

If the shipment unit contains more than one lot, a separate TE7 is made for each lot. If any single piece of a shipment unit (consolidation container, warehouse pallet, etc.) contains multiple lots, separate TE9 data is required for each lot. Therefore, a shipment unit TCMD could have more than one TE7 and more than one TE9.

### 3.2.4.20.2 Advance TCMD for Net Explosive Weight and Lot Number (TE7) Format

The format of the TE7 for ocean movement is shown in Table 3-24a. An example of TE7 for air movement is shown in Table 3-24b.

**Table 3-24a. Advance TCMD for Net Explosive Weight and Lot Number (TE7) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TE7, Second position matches TCMD.	"TE7"
Cont Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	" "
Net Explosive Weight	NEW	9	14	M	Weight of explosive material for class A, B, C explosives.	"000100"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"68014"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "
POE	POE	21	23	M	Same as prime TCMD data entry.	"2E1"
POD	POD	24	26	M	Same as prime TCMD data entry.	"4K1"
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"CS"
TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 G00040XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Lot Number	LOT_NR	54	67	M	If shipment contains more than one lot, separate TE7 is made for each lot.	"C50012340000 34"
Pieces	MOD_PC	68	71	M	Number of pieces in the lot. If greater than 9999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	"0050"
Weight	MOD_WT	72	76	M	Lot weight. If greater than 99, 999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	"00075"
Cube	TOTAL_CUBE	77	80	M	Cubic feet of the lot. If greater than 9999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	"0002"

**Table 3-24b. Advance TCMD for Net Explosive Weight and Lot Number (TE7) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Second position matches TCMD.	TE7
Cont Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	“ ”
Net Explosive Weight	NEW	9	14	M	Weight of explosive material for class A, B, C explosives.	“000100”
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	“VM”
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	“Z”
POE	POE	21	23	M	Same as prime TCMD data entry.	“PQS”
POD	POD	24	26	M	Same as prime TCMD data entry.	“RCU”
Mode to POE	MODE	27	27	M	Same as prime TCMD data entry.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CS”
TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 G00040XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Lot Number	LOT_NR	54	67	M	If shipment contains more than one lot, separate TE7 is made for each lot.	“C50012340000 34”
Pieces	MOD_PC	68	71	M	Number of pieces in the lot. If greater than 9999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	“0050”
Weight	MOD_WT	72	76	M	Lot weight. If greater than 99, 999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	“00075”
Cube	TOTAL_CUBE	77	80	M	Cubic feet of the lot. If greater than 9999, see DoD 4500.32-1-R, Ch 2, para B.1.b.(7) (d).	“0002”

### 3.2.4.20.3 Advance TCMD for Net Explosive Weight and Lot Number (TE7) Constraints

This record must follow its associated advance TCMD prime record and T\_6 if present. Comment trailer records (T\_9) which match the first two positions of the DOC\_ID may occur after the Net Explosive Weight and Lot Number record.

### 3.2.4.20.4 Advance TCMD for Net Explosive Weight and Lot Number (TE7) Example

Two examples of a TE7 are shown in Figure 3-25.

TE712345000001402F61B11C1ZPTMB5BA1\$\$\$0000430XXM000149123123434234320576000340001

TE7 000015 23ASEANXPFCM7AXX\$\$\$0000390XXM2046C445671111111110001000230002

**Figure 3-25. Advance TCMD for Net Explosive Weight and Lot Number (TE7) Example.**

### 3.2.4.21 Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9)

#### 3.2.4.21.1 Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) Description

The T\_9 documents the other information about the cargo that is not otherwise identified in the prime ATCMD or other preceding trailers. The T\_9 format is different if the cargo is moving by ocean or air and if the cargo is part of a unit move.

#### 3.2.4.21.2 Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) Format

The format for T\_9 for ocean movement is shown in Table 3-25a. The format for T\_9 for air movement is shown in Table 3-25b. The format for a unit move T\_9 for ocean movement is shown in Table 3-25c. The format for a unit move T\_9 for air movement is shown in Table 3-25d.

**Table 3-25a. Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. Second position is same as prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"584Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "

**Table 3-25a. Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POE	POE	21	23	M	Same as prime TCMD data entry.	"2A2"
POD	POD	24	26	M	Same as prime TCMD data entry.	"LA1"
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry. If the associated prime record has Mode code, the trailer record requires a Mode code.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"BX"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0E00170XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Remarks	REMARKS_TEXT	54	79	M	Using as many T_9 entries as necessary, enter the clear text data necessary for shipment, but not detailed in other data entries.	"TEXT"
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	"1"

**Table 3-25b. Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. Second position is same as prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	"V2345"
Blank	FILLER6	9	14	M	Leave blank.	" "
Blank	FILLER3	15	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	"VM"
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	"Z"
POE	POE	21	23	M	Same as prime TCMD data entry.	"PCS"

**Table 3-25b. Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POD	POD	24	26	M	Same as prime TCMD data entry.	"RCU"
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry. If the associated prime record has Mode code, the trailer record requires a Mode code.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"BX"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0E00170XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Remarks	REMARKS_TEXT	54	79	M	Using as many T_9 entries as necessary, enter the clear text data necessary for shipment, but not detailed in other data entries.	"TEXT"
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	"1"

**Table 3-25c. Advance TCMD for General Miscellaneous not Otherwise Detailed Unit Move (T\_9) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. Second position is same as prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"100Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD data entry.	" "
POE	POE	21	23	M	Same as prime TCMD data entry.	"2A2"
POD	POD	24	26	M	Same as prime TCMD data entry.	"LA1"

**Table 3-25c. Advance TCMD for General Miscellaneous not Otherwise Detailed Unit Move (T\_9) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry. If the associated prime record has Mode code, the trailer record requires a Mode code.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"BX"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0E00170XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
ULN	ULN	54	57	O	For deployments enter "ULN":	"ULN:"
ULN Number	ULN_NBR	58	63	C	When ULN is entered in RP 54-57, enter the applicable unit line number.	"234577"
Blank	FILLER16	64	79	M	Leave blank.	" "
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	"1"

**Table 3-25d. Advance TCMD for General Miscellaneous not Otherwise Detailed Unit Move (T\_9) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. Second position is same as prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry.	" "
Blank	FILLER6	9	14	M	Leave blank.	" "
Blank	FILLER3	15	17	M	Leave blank.	" "
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	"VM"
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	"Z"
POE	POE	21	23	M	Same as prime TCMD data entry.	"PCS"

**Table 3-25d. Advance TCMD for General Miscellaneous not Otherwise Detailed Unit Move (T\_9) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POD	POD	24	26	M	Same as prime TCMD data entry.	"RCU"
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry. If the associated prime record has Mode code, the trailer record requires a Mode code.	"F"
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	"BX"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0E00170XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
ULN	ULN	54	57	O	For deployments enter "ULN:".	"ULN:"
ULN Number	ULN_NBR	58	63	C	When ULN is entered in RP 54-57, enter the applicable unit line number.	"345677"
Blank	FILLER16	64	79	M	Leave blank.	" "
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	"1"

### 3.2.4.21.3 Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) Constraints

One or more T\_9 may be associated with a prime TCMD, T\_0/1, T\_2, T\_3, or T\_4.

### 3.2.4.21.4 Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9) Example

An example of a T\_9 is shown in Figure 3-26.

TU9ET001 65AZ8 GUNBLVFPCMB5BA1\$\$0000030XXM000162RADIO SET

**Figure 3-26. Advance TCMD for General Miscellaneous not Otherwise Detailed (T\_9).**

### 3.2.4.22 Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9)

#### 3.2.4.22.1 Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) Description



The T\_9 documents the other information about a SEAVAN/MILVAN/CONEX/REEFER, to include empty ones, that is not otherwise identified in the prime advance TCMD or preceding trailers. The T\_9 format changes if the movement is by ocean or by air or if the van is a refrigerated van (REEFER).

### 3.2.4.22.2 Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) Format

The format for a T\_9 for loaded SEAVAN/MILVAN/CONEX for ocean movement is shown in Table 3-26a. The format for a T\_9 for loaded SEAVAN/MILVAN/CONEX for air movement is shown in Table 3-26b. The format for a T\_9 for empty SEAVAN/MILVAN/CONEX for ocean movement is shown in Table 3-26c. The format for a T\_9 for empty SEAVAN/MILVAN/CONEX for ocean movement is shown in Table 3-26d. The format for a T\_9 for a REEFER is shown in Table 3-26e.

**Table 3-26a. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for a Loaded SEAVAN/MILVAN/CONEX for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. The second position is always the same as the prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T_2 or T_3. If the associated prime record has a container/trailer number, it must also be entered here.	"X2345"
Van Zip Code	ZIP_CODE	9	14	M	"X" followed by the five-digit ZIP code for the van's point of origin.	"X23801"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry.	"100Z9"
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD, T_2, or T_3.	" "
POE	POE	21	23	M	Same as prime TCMD, T_2, or T_3.	"2A2"
POD	POD	24	26	M	Same as prime TCMD, T_2, or T_3.	"LA1"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always "V"	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	28	29	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet.	"40"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"

**Table 3-26a. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for a Loaded SEAVAN/MILVAN/CONEX for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"3"
Van Number Indicator	VN_INDICATOR	54	55	M	"VN"	"VN"
Van Number	VAN_NBR	56	63	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code.	"00123456"
Dash	DASH	64	64	M	Enter "-"	"-"
Check Digit	CHECK_DIGIT	65	65	O	Check digit marked on the container. If the container does not have a check digit, leave a space.	"S"
Seal Number	SEAL_NBR	66	73	M	Complete seal number of the seal used to seal the container.	" "
Ocean Carrier	CARRIER_CD	74	77	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	" "
Beam Assemblies	BEAM_ASSEMBLIES	78	79	C	For MILVANS, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	" "
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit.	"1" First T_9 record for the Container

**Table 3-26b. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Loaded SEAVAN/MILVAN/CONEX for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. The second position is always the same as the prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD, T_2, or T_3. If the associated prime record has a container/trailer number, it must also be entered here.	"X2345"
Van Zip Code	ZIP_CODE	9	14	M	"X" followed by the five-digit ZIP code for the van's point of origin.	"X23801"

**Table 3-26b. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Loaded SEAVAN/MILVAN/CONEX for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	“RZ”
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD, T_2, or T_3.	“D”
POE	POE	21	23	M	Same as prime TCMD, T_2, or T_3.	“PQS”
POD	POD	24	26	M	Same as prime TCMD, T_2, or T_3.	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always “V”	“V”
Ordered Van Length	VAN_LENGTH_ORDERED	28	29	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet. For empty CONEX, enter type Pack Code.	“40”
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 F00010XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Van Number Indicator	VN_INDICATOR	54	55	M	“VN”	“VN”
Van Number	VAN_NBR	56	63	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code.	“00123456”
Dash	DASH	64	64	M	Enter “_”	“_”
Check Digit	CHECK_DIGIT	65	65	O	Check digit marked on the container. If the container does not have a check digit, leave a space.	“S”
Seal Number	SEAL_NBR	66	73	O	Complete seal number of the seal used to seal the container.	“ ”
Ocean Carrier	CARRIER_CD	74	77	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	“ ”

**Table 3-26b. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Loaded SEAVAN/MILVAN/CONEX for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD required Element	Comments	Sample Data
Beam assemblies	BEAM_ASSEMBLIES	78	79	C	For MILVANs, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	“ ”
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit.	“1” First T_9 record for the Container

**Table 3-26c. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Empty SEAVAN/MILVAN/CONEX for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. The second position is always the same as the prime TCMD.	“TX9”
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T_2, or T_3. If the associated prime record has a container/trailer number, it must also be entered here.	“X2345”
Van Zip Code	ZIP_CODE	9	14	M	“X” followed by the five-digit ZIP code for the van’s point of origin.	“X23801”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry for an ocean shipment.	“694Z9”
Air Dimension Code	AIR_DIM_CD	20	20	O	Same as prime TCMD, T_2, or T_3.	“ ”
POE	POE	21	23	M	Same as prime TCMD, T_2, or T_3.	“2A2”
POD	POD	24	26	M	Same as prime TCMD, T_2, or T_3.	“LA1”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always “V”	“V”
Type Pack Code	TYPE_PK_CD	28	29	M	For empty CONEX, enter type Pack Code.	“CO”
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 F00010XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”

**Table 3-26c. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Empty SEAVAN/MILVAN/CONEX for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Van Number Indicator	VN_INDICATOR	54	55	M	"VN"	"VN"
Van Number	VAN_NBR	56	63	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code.	"00123456"
Dash	DASH	64	64	O	Enter "-"	"_"
Check Digit	CHECK_DIGIT	65	65	O	Check digit marked on the container. If the container does not have a check digit, leave a space.	"S"
Seal Number	SEAL_NBR	66	73	O	Complete seal number of the seal used to seal the container.	" "
Ocean Carrier	CARRIER_CD	74	77	O	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	" "
Beam Assemblies	BEAM_ASSEMBLIES	78	79	C	For MILVANs enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	" "
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit.	"1" First T_9 record for the Container

**Table 3-26d. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Empty SEAVAN/MILVAN/CONEX for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. The second position is always the same as the prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T_2, or T_3. If the associated prime record has a container/trailer number, it must also be entered here.	"X2345"
Van Zip Code	ZIP_CODE	9	14	M	"X" followed by the five-digit ZIP code for the van's point of origin.	"X23801"

**Table 3-26d. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Empty SEAVAN/MILVAN/CONEX for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry for an air shipment.	“RZ”
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD, T_2, or T_3.	“D”
POE	POE	21	23	M	Same as prime TCMD, T_2, or T_3.	“PQS”
POD	POD	24	26	M	Same as prime TCMD, T_2, or T_3.	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always “V”	“V”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CO”
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 F00010XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Van Number Indicator	VN_INDICATOR	54	55	M	“VN”	“VN”
Van Number	VAN_NBR	56	63	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code.	“00123456”
Dash	DASH	64	64	O	Enter “-”	“-”
Check Digit	CHECK_DIGIT	65	65	O	Check digit marked on the container. If the container does not have a check digit, leave a space.	“S”
Seal Number	SEAL_NBR	66	73	O	Complete seal number of the seal used to seal the container.	“ ”
Ocean Carrier	CARRIER_CD	74	77	O	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	“ ”
Beam Assemblies	BEAM_ASSEMBLIES	78	79	O	For MILVANs enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	“ ”

**Table 3-26d. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for Empty SEAVAN/MILVAN/CONEX for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit.	"1" First T_9 record for the Container

**Table 3-26e. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for a REEFER Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9. The second position is always the same as the prime TCMD.	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD, T_2 or T_3. If the associated prime record has a container/trailer number, it must also be entered here.	"X2345"
Van Zip Code	ZIP_CODE	9	14	M	"X" followed by the five-digit ZIP code for the van's point of origin.	"X23801"
Fahrenheit	FAHRENHEIT	15	19	M	For a reefer van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as F34XX.	"F34XX"
Air Dimension Code	AIR_DIM_CD	20	20	C	Same as prime TCMD, T_2, or T_3.	"D"
POE	POE	21	23	M	Same as prime TCMD, T_2, or T_3.	"PQS"
POD	POD	24	26	M	Same as prime TCMD, T_2, or T_3.	"RCU"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always "V"	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	28	29	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet.	"CO"
Shipment Unit TCN	TCN	30	46	M	Same as prime TCMD data entry.	"AWAD1A0\$0 F00010XX"
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	"W16G1G"

**Table 3-26e. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) for a REEFER Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	"1"
Van Number Indicator	VN_INDICATOR	54	55	M	"VN"	"VN"
Van Number	VAN_NBR	56	63	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code.	"00123456"
Dash	DASH	64	64	M	Enter "-"	"-"
Check Digit	CHECK_DIGIT	65	65	C	Check digit marked on the container. If the container does not have a check digit, leave a space.	"S"
Seal Number	SEAL_NBR	66	73	O	Complete seal number of the seal used to seal the container.	" "
Ocean Carrier	CARRIER_CD	74	77	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	" "
Beam Assemblies	BEAM_ASSEMBLIES	78	79	C	For MILVANs, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	" "
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit.	"1" First T_9 record for the Container

### 3.2.4.22.3 Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) Constraints

One or more T\_9 may be associated with a prime TCMD, T\_2, or T\_3.

### 3.2.4.22.4 Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) Example

An example of a T\_9 is shown in Figure 3-27.

TX9X2345X23801100Z9 2A2LA1V40AWAD1A0\$0F00010XXW16GIG3VN00123456-S

1

**Figure 3-27. Advance TCMD SEAVAN/MILVAN Miscellaneous Information (T\_9) Example.**



### 3.2.4.23 Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9)

#### 3.2.4.23.1 Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) Description

The T\_9 documents the information about the stopoffs the SEAVAN/MILVAN or REEFER is expected to make. The format is different for movements by air or ocean, and it is different if the van is a refrigerated van (REEFER).

#### 3.2.4.23.2 Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) Format

The format for T\_9 for ocean movement is shown in Table 3-27a. The format for T\_9 for air movement is shown in Table 3-27b. The format for T\_9 REEFER is shown in Table 3-27c.

**Table 3-27a. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry. If the associated prime record has a container/trailer number, it must also be entered here.	"X2345"
ZIP Code	ZIP_CODE	9	14	M	"X" followed by the ZIP code for the van's point of origin.	"X23801"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime TCMD data entry for an ocean shipment.	"584Z9"
Blank	FILLER1	20	20	M	Leave blank.	" "
POE	POE	21	23	M	Same as on the prime TCMD data entry.	"2E1"
POD	POD	24	26	M	Same as on the prime TCMD data entry.	"4K1"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always "V"	"V"
Van Length Ordered	VAN_LENGTH_ORDERED	28	29	M	Length of the van ordered, in feet.	"40"
Shipment Unit TCN	TCN	30	46	M	Same as prime T_2 or T_3 TCMD data entry.	"AWAD1A0\$0 F00010XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the shipment unit.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit	"1"
Stopoff	STOP_OFF_NBR	54	59	M	"STOP" and the stopoff number, e.g., STOP01.	"STOP01"
Stopoff DoDAAC	DODAAC	60	65	M	The DoDAAC of the stopoff indicated in RP 54-59.	"W16G1G"

**Table 3-27a. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for Ocean Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER2	66	67	M	Leave blank.	“ ”
Stopoff	STOP_OFF_NBR	68	73	O	“STOP” and the stopoff number, e.g., STOP01.	“ ”
Stopoff DoDAAC	STOP_OFF_LOC	74	79	O	The DoDAAC of the stopoff indicated in RP 68-73.	“ ”
Sequence Indicator	SEQ_IND	80	80	M	Sequence indicator, beginning with letter A, for each T_9 stopoff data entry.	“A”

**Table 3-27b. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9	“TX9”
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry. If the associated prime record has a container/trailer number, it must also be entered here.	“X2345”
ZIP Code	ZIP_CODE	9	14	M	“X” followed by the ZIP code for the van’s point of origin.	“X23801”
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry for an air shipment.	“RZ”
Blank	FILLER1	20	20	M	Leave blank.	“ ”
POE	POE	21	23	M	Same as on the prime TCMD data entry.	“PQS”
POD	POD	24	26	M	Same as on the prime TCMD data entry.	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always “V”	“V”
Van Length Ordered	VAN_LENGTH_ORDERED	28	29	M	Length of the van ordered, in feet.	“40”
Shipment Unit TCN	TCN	30	46	M	Same as prime T_2 or T_3 TCMD data entry.	“AWAD1A0\$0 F00010XX”
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the shipment unit.	“W16G1G”
Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit.	“1”

**Table 3-27b. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for Air Movement Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Stopoff	STOP_OFF_NBR	54	59	M	"STOP" and the stopoff number, e.g., STOP01.	"STOP01"
Stopoff DoDAAC	DoDAAC	60	65	M	The DoDAAC of the stopoff indicated in RP 54-59.	"W16G1G"
Blank	FILLER2	66	67	M	Leave blank.	" "
Stopoff	STOP_OFF_NBR	68	73	O	"STOP" and the stopoff number, e.g., STOP01.	" "
Stopoff DoDAAC	STOP_OFF_LOC	74	79	O	The DoDAAC of the stopoff indicated in RP 68-73.	" "
Sequence Indicator	SEQ_IND	80	80	M	Sequence indicator, beginning with letter A, for each T_9 stopoff data entry.	"A"

**Table 3-27c. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for REEFER Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9	"TX9"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD data entry.	"X2345"
ZIP Code	ZIP_CODE	9	14	M	"X" followed by the ZIP code for the van's point of origin.	"X23801"
Fahrenheit	FAHRENHEIT	15	19	M	For a reefer van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as F34XX.	"F34XX"
Blank	FILLER1	20	20	M	Leave blank.	" "
POE	POE	21	23	M	Same as on the prime TCMD data entry.	"PQS"
POD	POD	24	26	M	Same as on the prime TCMD data entry.	"RCU"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	27	27	M	Always "V"	"V"
Van Length Ordered	VAN_LENGTH_ORDERED	28	29	M	Length of the van ordered, in feet.	"40"

**Table 3-27c. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) for REEFER Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Shipment Unit TCN	TCN	30	46	M	Same as prime T_2 or T_3 TCMD data entry.	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	47	52	M	DoDAAC for the consignee of the shipment unit.	"W16G1G"
Trans Priority	PRIORITY	53	53	M	Priority of the shipment unit	"1"
Stopoff	STOP_OFF_NBR	54	59	M	"STOP" and the stopoff number, e.g., STOP01.	"STOP01"
Stopoff DoDAAC	DODAAC	60	65	M	The DoDAAC of the stopoff indicated in RP 54-59.	"W16G1G"
Blank	FILLER2	66	67	M	Leave blank.	" "
Stopoff	STOP_OFF_NBR	68	73	O	"STOP" and the stopoff number, e.g., STOP01.	" "
Stopoff DoDAAC	STOP_OFF_LOC	74	79	O	The DoDAAC of the stopoff indicated in RP 68-73.	" "
Sequence Indicator	SEQ_IND	80	80	M	Sequence indicator, beginning with letter A, for each T_9 stopoff data entry.	"A"

### 3.2.4.23.3 Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) Constraints

One or more T\_9 may be associated with a prime TCMD, T\_2, or T\_3.

### 3.2.4.23.4 Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) Example

An example of a stopoff points T\_9 is shown in Figure 3-28.

TX9X2346X23801584Z9 2E14K1V40AWAD1A0\$0F00020XXW16G1GSTOP01WIGBE4  
STOP02W16G2GA

**Figure 3-28. Advance TCMD SEAVAN/MILVAN Stopoff Points (T\_9) Example.**

### 3.2.4.24 Advance TCMD for Additional Required Hazardous Material Information (T\_9)

#### 3.2.4.24.1 Advance TCMD for Additional Required Hazardous Material Information (T\_9) Description

The T\_9 documents the other required information about the hazardous shipment that is not otherwise identified in the prime advance TCMD or preceding trailers.

### 3.2.4.24.2 Advance TCMD for Additional Required Hazardous Material Information (T\_9) Format

The format for Hazardous Material T\_9 for ocean movement is shown in Table 3-28a. The format for Hazardous Material T\_9 for air movement is shown in Table 3-28b.

**Table 3-28a. Advance TCMD for Additional Required Hazardous Material Information (T\_9) for Ocean Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9	“TE9”
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry. If the associated prime record has a container/trailer number, it must also be entered here.	“ ”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Water Commodity Code	WTR_CMDTY_CD	15	19	C	Same as prime TCMD data entry.	“680F6”
Air Dimension Code	AIR_DIM_CD	20	20	C	Same as prime TCMD data entry.	“ ”
POE	POE	21	23	M	Same as prime TCMD data entry.	“2A2”
POD	POD	24	26	M	Same as prime TCMD data entry.	“LA1”
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CS”
TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 G00040XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Remarks	REMARKS_TEXT	54	79	M	Using as many T_9 entries as necessary, enter the information identified in DoD 4500.32-1-R, Fig D-15.	Enter clear text information in the order listed in DoD 4500.32-1-R, Fig D-15.
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	“1”

**Table 3-28b. Advance TCMD for Additional Required Hazardous Material Information (T\_9) for Air Movement Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_9	“TE9”
Container/Trailer Number	CONT_TRL_NBR	4	8	C	Same as prime TCMD data entry. If the associated prime record has a container/trailer number, it must also be entered here.	“ ”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	18	19	M	Same as prime TCMD data entry.	“VM”
Air Dimension Code	AIR_DIM_CD	20	20	M	Same as prime TCMD data entry.	“Z”
POE	POE	21	23	M	Same as prime TCMD data entry.	“PQS”
POD	POD	24	26	M	Same as prime TCMD data entry.	“RCU”
Mode to POE	MODE	27	27	C	Same as prime TCMD data entry.	“F”
Type Pack Code	TYPE_PK_CD	28	29	M	Same as prime TCMD data entry.	“CS”
TCN	TCN	30	46	M	Same as prime TCMD data entry.	“AWAD1A0\$0 G00040XX”
Consignee	CONSIGNEE	47	52	M	Same as prime TCMD data entry.	“W16G1G”
Trans Priority	PRIORITY	53	53	M	Same as prime TCMD data entry.	“1”
Remarks	REMARKS_TEXT	54	79	M	Using as many T_9 entries as necessary, enter the information identified in DoD 4500.32-1-R, Fig D-15.	Enter clear text information in the order listed in DoD 4500.32-1-R, Fig D-15.
Sequence Number	SEQ_NBR	80	80	M	A sequence number beginning with one for each T_9 entry for the shipment.	“1”

### 3.2.4.24.3 Advance TCMD for Additional Required Hazardous Material Information (T\_9) Constraints

One or more T\_9s may be associated with a prime advance TCMD. The second position (E or J) of the document identifier for the T\_9 matches the second position of the prime advance TCMD.

### 3.2.4.24.4 Advance TCMD for Additional Required Hazardous Material Information (T\_9) Example

An example of a Hazardous Material Information T\_9 is shown in Figure 3-29.

TE99SG89 680F6 2A2LA1FCSFVDW0300M100960XXFB48331ROCKETS

**Figure 3-29. Advance TCMD for Additional Required Hazardous Material Information (T\_9) Example.**

### 3.2.4.25 Air Manifest Header (TAA) Transaction

#### 3.2.4.25.1 Air Manifest Header (TAA) Transaction Description

The Air Manifest Header (TAA) is the lead transaction in a set of transactions grouped together and sent to GTN as a manifest. The TAA transaction contains information that applies to all the subordinate transactions that follow it. A TAA signifies that one or more shipment units have been loaded on an aircraft for shipment to a POD and that the shipment units are documented on an air cargo manifest.

The TAA record contains specific summary information for a single manifest. It is combined with the 400 or 505 transaction.

The 400 manifest transaction is the standard cargo movement transaction generated by TC-AIMS II. It details the cargo on a specific air manifest. One or several manifests comprise a mission.

The 505 transaction functions as a manifest abort. It has the same format and structure as the 400 transaction but is used to abort a previously transmitted 400 manifest movement transaction.

#### 3.2.4.25.2 Air Manifest Header (TAA) Transaction Format

The format of the TAA transaction is shown in Table 3-29.

**Table 3-29. Air Manifest Header (TAA) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID	7	9	M	“TAA” = manifest header record. See DoD 4500.32-1-R, Figure 3-C-1 for TAA	“TAA”
Carrier ID	CARRIER_CD(TAA)	10	14	M	Normally the operating command. Precede the carrier abbreviation with zeros	“00AMC”

**Table 3-29. Air Manifest Header (TAA) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Aircraft Tail Number	ACFT_NBR	15	20	M	Aircraft tail number	"009121"
Flight Depart Hour	FLT_DEP_HR	21	21	M	Greenwich Mean Time (GMT) hour code, DoD 4500.32-1-R, App F7	"R"
Flight Depart Date	FLT_DEP_DATE	22	29	M	YYYYMMDD	"19980921"
Aircraft Model	ACFT_MODEL	30	32	M	For aircraft with less than three characters, enter "0" as appropriate. (i.e. for C-5 enter "005")	"141"
Aircraft Series	ACFT_SERIES	33	33	M		"B"
Blank	FILLER1	34	34	M	Leave blank.	" "
Blank	FILLER1	35	35	M	Leave blank	" "
APOD	APOD	36	38	M	DoD 4500.32-1-R, App F4	"BLV"
MODE	MODE	39	39	M	Mode to POE, DoD 4500.32-1-R, App F13	"I"
Manifest Reference Code	MFST_REF	40	41	M	DoD 4500.32-1-R, App F1	"AA"
Clear Text Destination	CLR_TXT_DEST	42	56	M		"SCOTT AFB IL "
Flight Arrival Hour	FLT_ARR_HR	57	57	O	Space if flight has not arrived at the POD	"R "
Flight Arrival Date	FLT_ARR_DATE	58	65	O	YYYYMMDD Spaces if flight has not arrived at the POD	"19980423"
Mission Number	TRANS_FLT_NBR	66	74	M	First nine characters of mission IO	"ABA0707X1 "
Scheduled Origin Day	SCHED_ORIGIN_DAY	75	77	M	Julian date: JJJ	"001"
Manifest Station	MFST_STN	78	80	M	Port code, DoD 4500.32-1-R, App. F4	"GUN"
Last Day of Year	YR	81	81	M	Last digit of fiscal year	"8"
Manifest Type	MFST_TYPE	82	82	M	C = Cargo, M = Mail	"C"
Manifest Number	MFST_NBR	83	87	M	Precede with zeros	"00001"
Manifest Weight	MFST_WT	88	93	O	Leading zero. Total cargo weight	"017961"
Manifest Cube	MFST_CUBE	94	98	O	Total cargo cube, leading zeros as needed	"01964"

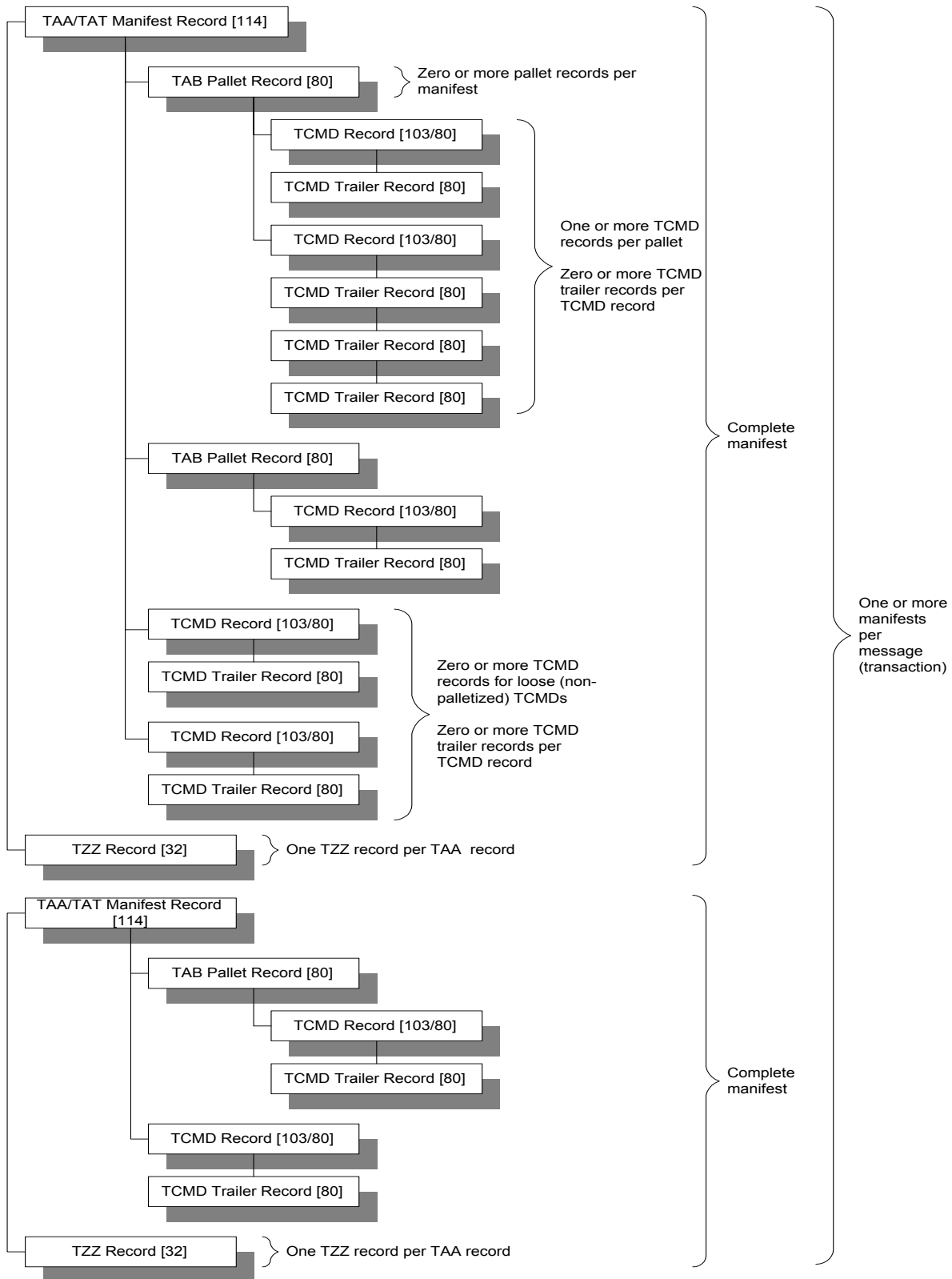
### 3.2.4.25.3 Air Manifest Header (TAA) Transaction Constraints



The following constraints apply to the TAA transactions.

- a. The TAA record is used to flag the start of a block of data records and is the first record of a manifest set. The block is terminated by a TZZ record. Within the block are detail records concerning the manifest. These records detail loose cargo and the cargo on pallets or in containers. A manifest may consist of all palletized cargo, all loose cargo, or a combination. TAB records, with their associated TCMD T\_A or T\_D prime records, will follow the TAA. If there is a combination of loose cargo and palletized cargo on the 400 manifest, all loose cargo will appear last, preceding the TZZ record.
- b. Each TAB record is followed by one or more TCMD T\_D records associated with that pallet. Each TCMD T\_D record may be followed by zero or more associated TCMD trailer records, the format of which varies depending on the document identifier on the preceding TCMD record (first three characters). The T\_D transaction is 103 characters when used in association with an air manifest.
- c. A single Shipment Unit is identified by a TCMD T\_A record. These records can be identified as loose cargo rather than as part of a pallet. TCMDs for loose cargo may also have zero or more trailers. The T\_A transaction is 103 characters when used in association with an air manifest.
- d. The last record of a manifest set is the TZZ record. This non-repeating record always begins with TZZ and marks the end of the manifest. After a TZZ record, another TAA transaction may follow if there is more than one manifest for that mission. All manifests for a specific mission are sent in the same file.

An example of the composition of a TAA and TAT manifest record is shown in Figure 3-30.



**Figure 3-30. Air Manifest Header (TAA) Record.3.2.4.25.4 Air Manifest Header (TAA) Transaction Example**

An example of the TAA transaction is shown in Figure 3-31.

400RMSTAA00AMC009121R19980921141B BLVIAASCOTT AFB IL  
R19980423ABA0707X001GUN8C00001017961019641998092118 BLV

**Figure 3-31. Air Manifest Header (TAA) Transaction Example.**

### 3.2.4.26 Truck Manifest Header (TAT) Transaction

#### 3.2.4.26.1 Truck Manifest Header (TAT) Transaction Description

The Truck Manifest Header (TAT) is the lead transaction in a set of transactions grouped together and sent to GTN as a truck manifest. The TAT transaction contains information that applies to all the subordinate transactions that follow it. A TAT signifies that one or more shipment units have been loaded on a truck for shipment and that the shipment units are documented on a truck manifest.

The TAT manifest header record contains specific summary information for a single manifest. It is followed by the same transactions used in an air manifest. However, it does not include the TAA or TZZ. The TAT does not use “^^” as delimiters between transactions.

#### 3.2.4.26.2 Truck Manifest Header (TAT) Transaction Format

The format of the TAT transaction is shown in Table 3-30.

**Table 3-30. Truck Manifest Header (TAT) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID	1	3	M	“TAT” for truck manifest header	“TAT”
Carrier ID	CARRIER_CD(TAA)	4	8	M	For air it is normally the operating command and for surface “GOVT”	“GOVTK”
Truck Serial Number	TRK_SERIAL_NBR(TAT)	9	17	M	Truck number	“555555777”
Truck Departure Hour	TRK_DEP_HR	18	18	O	GMT hour code, DoD 4500.32-1-R, App F7	“ ”
Truck Departure Day	TRK_DEP_DATE	19	26	O	YYYYMMDD	“19980921”
Mode	MODE	27	27	M		“I”
Manifest Reference	MFST_REF	28	29	M		“Z5”
Consignee DoDAAC	CONSIGNEE	30	35	M		“FB5270”
Clear Text Destination	CLR_TXT_DEST(TAT)	36	57	M		“18TH SUPPLY SQUADRON K”

**Table 3-30. Truck Manifest Header (TAT) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Manifest Station	MFST_STN	58	60	M	Port code, DoD 4500.32-1-R, App F4	"DNA"
Fiscal Year	YR	61	61	M	Last digit of fiscal year	"8"
Type Manifest	MFST_TYPE	62	62	M	C = Cargo, M = Mail	"C"
Manifest Number	MFST_NBR	63	67	M	Precede with zeros as appropriate	"68832"
Manifest Weight	MFST_WT	68	73	O	Leading zero. Total cargo weight	"000236"
Manifest Cube	MFST_CUBE	74	78	O	Total cargo cube	"00030"
GBL Number	GBL_NBR	79	86	O		" "

### 3.2.4.26.3 Truck Manifest Header (TAT) Transaction Constraints

The following constraints apply to the TAT transactions.

- a. The TAT record is used to flag the start of a block of data records and is the first record of a truck manifest set. Within the block are detail records concerning the manifest. These records detail loose cargo and the cargo on pallets or in containers. A manifest may consist of all palletized cargo, all loose cargo, or a combination. TAB records with their TCMD or T\_D prime records will follow the TAT. If there is a combination of loose cargo and palletized or containerized cargo on the truck manifest, all loose cargo TCMDs will appear after the palletized and containerized TCMDs.
- b. Each TAB record is followed by one or more TCMD T\_D records for each shipment unit associated with that pallet. Each TCMD T\_D record may be followed by zero or more associated TCMD trailer records, the format of which varies depending on the document identifier on the preceding TCMD prime record (first three characters). The T\_D transaction is 92 characters when used in association with a truck manifest. The data elements in record positions 93-124 are not part of the T\_D when associated with truck manifest.
- c. A Single Shipment Unit is identified by a TCMD T\_A record. These records identify loose cargo rather than palletized cargo. TCMDs for loose cargo may also have zero or more trailers. The T\_A transaction is 92 characters when used in association with a truck manifest. The data elements in record positions 93-124 are not part of the T\_A when associated with truck manifest.

### 3.2.4.26.4 Truck Manifest Header (TAT) Transaction Example

An example of the TAT transaction is shown in Figure 3-32.

TATGOVTK555555777 19980921IZ5FB527018TH SUPPLY SQUADRON  
KDNA8C6883200023600030

### Figure 3-32. Truck Manifest Header (TAT) Record

#### 3.2.4.27 Pallet Header (TAB) Transaction

##### 3.2.4.27.1 Pallet Header (TAB) Transaction Description

The TAB record is included in the air manifest for each pallet on the aircraft going to the same POD and contains summary information about a specific pallet in the manifest. It signifies that one or more shipment units have been loaded on a pallet in the aircraft for shipment to a POD. The pallet header is only present when there are loaded pallets on the departed aircraft.

The TAB record may also be used in association with a TAT. The TAB documents pallets on a truck.

##### 3.2.4.27.2 Pallet Header (TAB) Transaction Format

The format of the TAB transaction is shown in Table 3-31.

**Table 3-31. Pallet Header (TAB) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document	DOC_ID	1	3	M	“TAB” = air cargo pallet header, DoD 4500.32-1-R, Figure 3-C-2	“TAB”
Pallet Designator	MOD_ID	4	5	M	No I, O, or zeros. Local system designation for the pallet	“5R”
Hour Oldest Piece	HR_OLD_PC	6	6	M	Oldest piece of cargo, hour code, DoD 4500.32-1-R, App F7. Once set for the TAB, stays set for the pallet	“Q”
Date Oldest Piece	DATE_OLD_PC	7	14	M	YYYYMMDD	“19980921”
Grid/Bay Location	CARGO_LOC	15	18	O	Local bay location, may be spaces	“HL1”
Blank	FILLER1	19	19	M	Leave blank.	“ ”
Blank	FILLER1	20	20	M	Leave blank	“ ”
Hour Shipped	HR_SHIP	21	21	M	Derived from Flt_Dep_hr of TAA. Hour code, DoD 4500.32-1-R, App F7	“R”
Date Shipped	DATE_SHIP	22	29	M	YYYYMMDD	“19980921”
Blank	FILLER2	30	31	M	Leave blank.	“ ”
Air Dimension Code	AIR_DIM_CD	32	32	M	DoD 4500.32-1-R, App F3	“D”
APOE	APOE	33	35	M	DoD 4500.32-1-R, App F4	“GUN”
APOD	APOD	36	38	M	DoD 4500.32-1-R, App F4	“BLV”
Onward Mode	ON_MODE	39	39	M	DoD 4500.32-1-R, App F13	“F”

**Table 3-31. Pallet Header (TAB) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Manifest Reference	MFST_REF	40	41	M	Same as on TAA header record	“AA”
Loading DoDAAC	BLDG_ACT	42	47	O	DoDAAC of the activity, other than air terminal, that built the pallet	“FB9901”
Date ConFiguRation Complete	DATE_CONF_COMP	48	55	O	YYYYMMDD	“19980921”
Type Pallet Code	TYPE_MOD_CD	56	56	M	Pallet type. “L” = pallet	“L”
Pallet Serial Number	PALLET_SER_NBR	57	59	M	As assigned by the loading activity	“001 ”
ConFiguRation Code	CONFG_CD	60	61	M	DoD 4500.32-1-R, Figure 3-C-2, p. 3-C-17	“T2”
Special Handling Code	MOD_TYPE_CARGO	62	62	M	DoD 4500.32-1-R, Figure 3-C-2, p. 3-C-17	“G”
Consignee	CONSIGNEE	63	68	M	Ultimate consignee DoDAAC	“FB4803”
Priority	PRIORITY	69	69	M	Highest priority of cargo on the pallet	“1”
Special Priority	SPEC_PRTY	70	70	O	DoD 4500.32-1-R, Figure 3-C-2, p. 3-C-17. May be spaces	“ ”
Pallet Height	MOD_HGT	71	73	M	Pallet height in inches	“096”
Center of Balance	CTR_BAL	74	76	C	Center of balance of pallet in inches. Required when the conFiguRations code is T#	“015”
Tiedown Used	TIEDOWN	77	77	M	DoD 4500.32-1-R, Figure 3-C-2, p. 3-C-27	“M”
Equivalent Pallet Positions Used	EQ_PALL_POS	78	79	M	Number of equivalent pallet positions used, decimal is assumed	“20”
Overhang Direction	OVRHNG_DIR	80	80	O	“A” = Aft, “F” = Fore, “B” = Both, or leave spaces	“ ”
Personal Property Code	PER_PROP_CD	81	81	C	DoD 4500.32-1-R, Figure 3-C-2, p. 3-C-17. Use when shipping personal property	“ ”
Protected Cargo Code	PROT_CGO_CD	82	82	O	Enter code if applicable, otherwise leave a space. DoD 4500.32-1-R, App F2	“ ”
Blank	FILLER1	83	83	M	Leave blank.	“ ”
Pallet Pieces	MOD_PC	84	87	M	Total number of pieces on the pallet	“0005”
Pallet Weight	MOD_WT	88	92	M	Total weight of the cargo on the pallet	“05062”
Pallet Cube	MOD_CUBE	93	96	M	Total cube of the cargo on the pallet	“0450”

### 3.2.4.27.3 Pallet Header (TAB) Transaction Constraints

The TAB record must appear between a TAA record and a TZZ record if there are any pallets on the aircraft. The TAB record will be followed by one or more T\_D TCMD records with their associated trailer records. More than one TAB record may appear in a manifest. The prime TCMD records associated with the TAB record will each contain a “D” in the third position of the TCMD’s Document Identifier Code (DIC).

If the TAB is on a truck manifest it would come after the TAT record.

### 3.2.4.27.4 Pallet Header (TAB) Transaction Example

An example of the TAB transaction is shown in Figure 3-33.

```
TAB5RQ19980921 HL1 R19980921 DGUNBLVFAAFB990119980921L001T2GFB48031 096015M20
0005062500450
```

**Figure 3-33. TAB Example.**

### 3.2.4.28 Shipment Units Loaded into all Consolidation Containers (T\_D) and Single Shipment Units (T\_A) Transaction

#### 3.2.4.28.1 Shipment Units Loaded into all Consolidation Containers (T\_D) and Single Shipment Units (T\_A) Transaction Description

The TCMD T\_D or T\_A documents an individual shipment unit. It is used to detail items which are on a pallet, in a container, or items which are loose. The second position of the DIC indicates the kind of cargo being shipped. The third position of the DIC indicates whether it is palletized/containerized (D) or loose (A). The T\_D follows the prime TCMD (T\_B/C) and its associated trailer records. All shipment units being shipped on the aircraft will have a TCMD (T\_A/D) to document the cargo.

#### 3.2.4.28.2 Shipment Units Loaded into all Consolidation Containers (T\_D) and Single Shipment Units (T\_A) Transaction Format

The format of the Shipment Units Loaded on 463L Pallets T\_D and the Single Shipment Unit T\_A transaction is shown in Table 3-32a. The format of the Shipment Unit Loaded into a Consolidation Container T\_D is shown in Table 3-32b.

**Table 3-32a. Shipment Units Loaded on 463L Pallets (T\_D) and Single Shipment Units (T\_A) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_D palletized cargo, T_A loose cargo	“TXD”

**Table 3-32a. Shipment Units Loaded on 463L Pallets (T\_D) and Single Shipment Units (T\_A) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Pallet Designator	MOD_ID	4	5	C	For a T_D this is the pallet designator on which the shipment is loaded. Spaces or 99 on a T_A. (AMC recognizes 99 as loose cargo)	"SS"
Hour Received	HR_RCVD	6	6	O (M)	Hour code shipment received at POE, DoD 4500.32-1-R, App F7	"G"
Date Received	DATE_RCVD	7	8	O (M)	Last two digits of Julian date	"89"
Consignor	CONSIGNOR	9	14	M	DoDAAC of consignor. If nonpalletized mail, enter registry number	"FE4819"
Hour Shipped	HR_SHIP	15	15	M	Derived from Flt_Dep_Hr of TAA	"R"
Date Shipped	DATE_SHIP	16	23	M	YYYYMMDD	"19980921"
Air Commodity	AIR_CMDTY_CD	24	25	M	DoD 4500.32-1-R, App F2	"AN"
Air Dimension Code	AIR_DIM_CD	26	26	M	DoD 4500.32-1-R, App F3	"A"
APOE	APOE	27	29	M	Air terminal identifier, DoD 4500.32-1-R, App F4	"GUN"
APOD	APOD	30	32	M	Air terminal identifier, DoD 4500.32-1-R, App F4	"BLV"
MODE	MODE	33	33	M	DoD 4500.32-1-R, App F13	"F"
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA record	"AA"
TCN	TCN	36	52	M	TCN of the shipment unit	"SW30112282X804XXX"
Consignee	CONSIGNEE	53	58	M	DoDAAC of consignee	"FB4608"
Priority	PRIORITY	59	59	M	Transportation priority of the shipment unit	"1"
RDD	RDD	60	62	O	May be spaces	"999"
Project Code	PROJECT	63	65	O	May be spaces	" "
Hour Processed	HR_PROC	66	66	M	Hour code processed by the system. DoD 4500.32-1-R, App F7	"Q"
Date Processed	DATE_PROC	67	74	M	YYYYMMDD	"19980921"
Blank	FILLER1	75	75	M	Leave blank.	" "
TAC	TAC	76	79	M	TAC of the shipment unit	"F8A0"
Pieces	PR_DOC_PC	80	83	M	Total number of pieces in the shipment unit	"0001"
Weight	PR_DOC_WT	84	88	M	Total weight of the shipment unit	"01000"
Cube	PR_DOC_CUBE	89	92	M	Total cube of the shipment unit	"0250"



**Table 3-32a. Shipment Units Loaded on 463L Pallets (T\_D) and Single Shipment Units (T\_A) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
TCMD APOD Zone	APOD_ZONE	93	93	O	May be spaces	“ ”
TCMD APOE Zone	APOE_ZONE	94	94	O	May be spaces	“ ”
TCMD Receipt Time	RCPT_TIME	95	104	M	YYYYMMDDhh	“1998092115”
TCMD Processed Time	PROC_TIME	105	114	M	YYYYMMDDhh	“1998092115”
TCMD Set Time	SET_TIME	115	124	M	YYYYMMDDhh	“1998092115”

**Table 3-32b. Shipment Units Loaded into Consolidation Containers (T\_D) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_D containerized cargo	“TXD”
CONEX, Unitized Pallet or Other Consolidation Container Number	CONT_TRL_NBR	4	8	C	For a T_D this is the number of the container (T_B or T_C) in which the shipment is loaded	“V1234”
Consignor	CONSIGNOR	9	14	M	DoDAAC of consignor. If nonpalletized mail, enter registry number	“FB4819”
Hour Shipped	HR_SHIP	15	15	M	Derived from Flt_Dep_Hr of TAA	“R”
Date Shipped	DATE_SHIP	16	23	M	Derived from Flt_Dep_Date of TAA. YYYYMMDD	“19980921”
Air Commodity	AIR_CMDTY_CD	24	25	M	DoD 4500.32-1-R, App F2	“AZ”
Air Dimension Code	AIR_DIM_CD	26	26	M	DoD 4500.32-1-R, App F3	“A”
APOE	APOE	27	29	M	Air terminal identifier, DoD 4500.32-1-R, App F4	“GUN”
APOD	APOD	30	32	M	Air terminal identifier, DoD 4500.32-1-R, App F4	“BLV”
MODE	MODE	33	33	M	DoD 4500.32-1-R, App F13	“F”
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA record	“AA”
TCN	TCN	36	52	M	TCN of the shipment unit	“SW30112282X804XXX”
Consignee	CONSIGNEE	53	58	M	DoDAAC of consignee	“FB4608”
Priority	PRIORITY	59	59	M	Transportation priority of the shipment unit	“1”

**Table 3-32b. Shipment Units Loaded into Consolidation Containers (T\_D) Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
RDD	RDD	60	62	O	May be spaces	“999”
Project Code	PROJECT	63	65	O	May be spaces	“ ”
Hour Processed	HR_PROC	66	66	M	Hour code processed by the system. DoD 4500.32-1-R, App F7	“Q”
Date Processed	DATE_PROC	67	74	M	YYYYMMDD	“19980921”
Blank	FILLER1	75	75	M	Leave blank.	“ ”
TAC	TAC	76	79	M	TAC of the shipment unit	“F8A0”
Pieces	PR_DOC_PC	80	83	M	Total number of pieces in the shipment unit	“0001”
Weight	PR_DOC_WT	84	88	M	Total weight of the shipment unit	“01000”
Cube	PR_DOC_CUBE	89	92	M	Total cube of the shipment unit	“0250”
TCMD APOD Zone	APOD_ZONE	93	93	O	May be spaces	“ ”
TCMD APOE Zone	APOE_ZONE	94	94	O	May be spaces	“ ”
TCMD Receipt Time	RCPT_TIME	95	104	O	YYYYMMDDhh	“1998042312”
TCMD Processed Time	PROC_TIME	105	114	O	YYYYMMDDhh	“1998091712”
TCMD Set Time	SET_TIME	115	124	O	YYYYMMDDhh	“1998091712”

### 3.2.4.28.3 Shipment Units Loaded into all Consolidation Containers (T\_D) and Single Shipment Units (T\_A) Transaction Constraints

The following constraints apply to the T\_D and T\_A transactions.

- The T\_D TCMD record must appear after the TCMD TAB, T\_B, or T\_C of the container/pallet that the cargo is loaded in/on.
- If the cargo item is not palletized/containerized, the T\_A TCMD record will follow the last T\_D record and its trailers, if any, or follow the TAA record if there are no TAB, T\_B, or T\_C records.
- The T\_A and T\_D TCMD record may or may not be followed by associated TCMD trailer records further describing the shipment unit.
- The T\_D and T\_A transaction is 124 characters long only when used in association with an air manifest.

- e. The T\_D and T\_A transaction is 92 characters long when used in association with a truck manifest. The data elements in record positions 93-124 are not part of the T\_D or T\_A when associated with a truck manifest.

#### 3.2.4.28.4 Shipment Units Loaded into all Consolidation Containers (T\_D) and Single Shipment Units (T\_A) Transaction Example

An example of the T\_D or T\_A transaction is shown in Figure 3-34.

TXDVI234FB4819R19980921AZAGUNBLVFAASW30112282X804XXXFB46081999 Q19980921  
F8A00001010000250 1998042319980917121998091712

**Figure 3-34. Shipment Units Loaded into all Consolidation Containers (T\_D) TCMD Transaction Example.**

#### 3.2.4.29 Loaded RORO (T\_B)

##### 3.2.4.29.1 Loaded RORO (T\_B) Description

The T\_B is a prime TCMD and documents a RORO container that contains one or more shipment units. The T\_B documents items being airlifted and is therefore associated with an air manifest. T\_B may also be used in association with a TAT to document an RORO on a truck.

##### 3.2.4.29.2 Loaded RORO (T\_B) Format

The format of the T\_B transaction is shown in Table 3-33.

**Table 3-33. Loaded RORO (T\_B) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_B. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8	"TXB"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	DoD 4500.32-1-R code for RORO container numbers. (DoD 4500.32-1-R, App F6)	"V1234"
Loading activity DoDAAC	BLDG_ACT	9	14	M	DoDAAC of activity that loaded the RORO	"FB9901"
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	"19980221"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"VZ"

**Table 3-33. Loaded RORO (T\_B) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Air Dimension Code	AIR_DIM_CD	26	26	M		"D"
APOE	APOE	27	29	M	Port of embarkation. DoD 4500.32-1-R, App F4	"GUN"
APOD	APOD	30	32	M	Port of debarkation. DoD 4500.32-1-R, App F4	"BLV"
Mode to POE	MODE	33	33	C	Mode delivered to the POE. If loaded at the POE leave a space. DoD 4500.32-1-R, App F13	"2"
Manifest Reference Code	MFST_REF	34	35	M		"AA"
RORO TCN	TCN_CONT	36	52	M	TCN of the RORO	"AWAB0B0\$0F00130XX"
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the RORO	"FB4608"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the RORO	"4"
Earliest RDD	RDD	60	62	M	Earliest Required Delivery Date (RDD) of any shipment unit in the RORO	"239"
Project Code	PROJECT	63	65	M	Project code	"R52"
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE. YYYYMMDD	"19980423"
Blank	FILLER2	75	76	M	Leave blank.	" "
TAC	TAC	77	80	M	TAC of the shipment unit	" "
RORO Quantity	CONT_QTY	81	84	M	1	"0001"
Total Weight	CONT_TOT_WT	85	89	M	Weight, in pounds, of RORO and its contents. Leading zeros if necessary	"02000"
Gross Cube	VAN_CUBE_CAP	90	93	M	Gross cubic feet of RORO. Leading zeros if necessary	"1320"

### 3.2.4.29.3 Loaded RORO (T\_B) Constraints

The T\_B must be followed by at least one TCMD (T\_D) prime record for a shipment unit loaded in the RORO. The T\_B and its associated T\_Ds, with or without trailer records, will come before any single shipment unit T\_A records and after any TAB and its associated prime and trailer records on the manifest.

#### 3.2.4.29.4 Loaded RORO (T\_B) Example

An example T\_B is shown in Figure 3-35.

TXBV1234FB9901R19980917VZDGUNBLV2AAAWAB0B0\$0F00130XXFB46084239R52G19980423  
0001020001320

**Figure 3-35. Loaded RORO (T\_B) Example.**

#### 3.2.4.30 Loaded SEAVAN/MILVAN (T\_B)

##### 3.2.4.30.1 Loaded SEAVAN/MILVAN (T\_B) Description

The T\_B is a prime TCMD record and describes information about a loaded SEAVAN/MILVAN. T\_B documents items being airlifted and is therefore associated with an air manifest. The T\_B may also be used in association with a TAT to document containers on a truck.

##### 3.2.4.30.2 Loaded SEAVAN/MILVAN (T\_B) Format

The format of the T\_B transaction is shown in Table 3-34.

**Table 3-34. Loaded SEAVAN/MILVAN (T\_B) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_B. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8	"TXB"
SEAVAN/MILVAN Trailer Number	CONT_TRL_NBR	4	8	M	Last five digits of the SEAVAN/MILVAN number. DoD 4500.32-1-R, App F6	"55555"
Ownership Code	SEAVAN/MILVAN_OWN_CD	9	12	M	DoD 4500.32-1-R SEAVAN ownership code, to include MILVANs, App F12	"ACSL"
Used VAN Length	USED_VAN_LN	13	14	M	Length, in feet, of van space used	"40"
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE. DoD 4500.32-1-R App F7	"R"
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	"19980921"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"VZ"
Air Dimension Code	AIR_DIM_CD	26	26	M		"D"
APOE	APOE	27	29	M	Port of embarkation. DoD 4500.32-1-R, App F4	"GUN"

**Table 3-34. Loaded SEAVAN/MILVAN (T\_B) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOD	APOD	30	32	M	Port of debarkation. DoD 4500.32-1-R, App F4	"BLV"
Mode to POE	MODE	33	33	M	Mode to deliver containers to the port	"A" (Motor)
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA	"AA"
SEAVAN/MILVAN TCN	TCN_CONT	36	52	M	TCN of the SEAVAN/MILVAN	"AWAB0B0\$0F00450XX"
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the VAN. Enter intermediate stopoff consignees and final consignee in one or more T_Is	"FB4608"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the SEAVAN/MILVAN	"1"
Earliest RDD	RDD	60	62	M	Earliest RDD of any shipment unit in the SEAVAN/MILVAN	"240"
Project Code	PROJECT	63	65	M	Project code	"R52"
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE YYYYMMDD	"19980423"
Blank	FILLER1	75	75	M	Leave blank.	" "
TAC	TAC	76	79	O	TAC of the shipment unit	" "
SEAVAN/MILVAN Quantity	CONT_QTY	80	83	M	For MILVANs enter 0001. For SEAVANs enter total number of pieces in van. Leading zeros	"0001"
Total Weight	CONT_TOT_WT	84	88	M	Weight of MILVAN and its contents or weight of SEAVAN's contents. Leading zeros as necessary	"02000"
Gross Cube	MOD_CUBE	89	92	M	MILVAN, enter outside cube of van. For SEAVAN, enter total cube of the van contents. Leading zeros	"1320"

### 3.2.4.30.3 Loaded SEAVAN/MILVAN (T\_B) Constraints

Each T\_B record may be followed by zero, one, or more trailer (T\_E, F, G, or I) records that apply specifically to the container. The T\_B record is followed by at least one associated prime shipment unit TCMD (T\_D) with its associated trailer (T\_E, F, G, I) TCMDs. The T\_B comes after TAB records on the manifest. It precedes prime TCMDs for single shipment units, T\_A.

#### 3.2.4.30.4 Loaded SEAVAN/MILVAN (T\_B) Example

An example of T\_B is shown in Figure 3-36.

TXB55555ACSL40R19980921VZDGUNBLVAAAAWAB0B0\$0F00450XXFB46081240R52G19980423  
0001020001320

**Figure 3-36. Loaded SEAVAN/MILVAN (T\_B) Example.**

#### 3.2.4.31 Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C)

##### 3.2.4.31.1 Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) Description

The T\_C is a prime TCMD record which documents a loaded consolidation container that contains one or more shipment units. In this case, the container is not an RORO, SEAVAN, MILVAN, or 463L pallet. The T\_C may be used to document a vehicle and its loads. It documents cargo being airlifted and is therefore associated with an air manifest. The T\_C may also be associated with a TAT and document a consolidation unit on a truck.

##### 3.2.4.31.2 Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) Format

The format for T\_C, documenting a CONEX, unitized pallet or other consolidation container not loaded into another outer container, is shown in Table 3-35a. The format for T\_C, documenting a CONEX, unitized pallet or other consolidation container loaded into another outer container, is shown in Table 3-35b.

**Table 3-35a. Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) (not loaded into another container) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_C. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8	"TXC"
CONEX, Unitized Pallet or Other Consolidation Container Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container	"23234"
Loading activity DoDAAC	BLDG_ACT	9	14	M	Enter DoDAAC of activity that loaded the consolidation container	"WIGBE4"
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	"19980423"

**Table 3-35a. Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) (not loaded into another container) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"VM"
Air Dimension Code	AIR_DIM_CD	26	26	M	DoD 4500.32-1-R, App F3	"D"
APOE	APOE	27	29	M	Port of embarkation. DoD 4500.32-1-R, App F4	"GUN"
APOD	APOD	30	32	M	Port of debarkation. DoD 4500.32-1-R, App F4	"BLV"
Mode to POE	MODE	33	33	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13	"F"
Manifest Reference Code	MFST_REF	34	35	M	DoD 4500.32-1-R, App F14	"AA"
TCN	TCN_CONT	36	52	M	TCN of the container	"AWAD1A0\$0F00040XX"
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the CONEX, unitized pallet, or other consolidation container	"W16GIG"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the CONEX, unitized pallet, or other consolidation container	"1"
Earliest RDD	RDD	60	62	C	Earliest RDD of any shipment unit in the CONEX, unitized pallet, or other consolidation container. If no RDDs are marked, leave spaces	"163"
Project Code	PROJECT	63	65	O	Enter project code if any, otherwise leave spaces	" "
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE. YYYYMMDD	"19980921"
Blank	FILLER1	75	75	M	Leave blank.	" "
TAC	TAC	76	79	M	TAC of the shipment unit	"F8A0"
CONEX, Unitized Pallet or Other Consolidation Container Quantity	CONT_QTY	80	83	M	1	"0001"
Total Weight	CONT_TOT_WT	84	88	M	Weight, in pounds, of CONEX, unitized pallet, or other consolidation container and its contents. Leading zeros	"05300"



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Gross Cube	VAN_CUBE_CAP	89	92	M	Gross cubic feet of CONEX, unitized pallet, or other consolidation container. Leading zeros	"0017"
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**Table 3-35b. Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C)  
(loaded into another container) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_C. Second position of the DIC is selected from the list in DoD 4500.32-1-R, App F8	"TxC"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Enter the RORO, SEAVAN/MILVAN number in rp 4-8. DoD 4500.32-1-R, App F6, when the consolidation container is further loaded into an RORO, SEAVAN/ MILVAN	"V3234"
CONEX, Unitized Pallet or Other Consolidation Container Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Enter the consolidation container's number in rp 9-14 and leave a space in rp 14 when the consolidation container is further loaded into an RORO, SEAVAN/ MILVAN	"123456"
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	M	Day shipment shipped from POE. YYYYMMDD	"19980423"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"RZ"
Air Dimension Code	AIR_DIM_CD	26	26	M	DoD 4500.32-1-R, App F3	"Z"
APOE	APOE	27	29	M	Port of embarkation. DoD 4500.32-1-R, App F4	"PQS"
APOD	APOD	30	32	M	Port of debarkation. DoD 4500.32-1-R, App F4	"RCU"
Mode to POE	MODE	33	33	M	Mode used to deliver container to the port. DoD 4500.32-1-R, App F13	"F"
Manifest Reference Code	MFST_REF	34	35	M	DoD 4500.32-1-R, App F14	"AA"
TCN	TCN_CONT	36	52	M	TCN of the container	"AWAD1A0\$0F00040XX"
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the CONEX, unitized pallet, or other consolidation container	"W16GIG"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the CONEX, unitized pallet, or other consolidation container	"1"
Earliest RDD	RDD	60	62	C	Earliest RDD of any shipment unit in the CONEX, unitized pallet, or other consolidation container. If no RDDs are marked, leave spaces	"163"

**Table 3-35b. Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C)  
(loaded into another container) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Project Code	PROJECT	63	65	O	Enter Project Code if any, otherwise leave spaces	" "
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE.	"G"
Date Processed	DATE_PROC	67	74	M	Day code shipment processed by the system at the POE. YYYYMMDD	"19980921"
Stopoff Delivery	STOPOFF_ DELIVERY_CODE	75	75	O	When the consolidation container is loaded in an RORO, SEAVN, or MILVAN enter the code to indicate if the shipment units are to be delivered to the RORO, MILVAN, or SEAVAN consignee or at a stopoff point	
TAC	TAC	76	79	M	TAC of the shipment unit	"F8A0"
CONEX, Unitized Pallet or Other Consolidation Container Quantity	CONT_QTY	80	83	M	1	"0001"
Total Weight	CONT_TOT_WT	84	88	M	Weight, in pounds, of CONEX, unitized pallet, or other consolidation container and its contents. Leading zeros	"05300"
Gross Cube	VAN_CUBE_CAP	89	92	M	Gross cubic feet of CONEX, unitized pallet, or other consolidation container. Leading zeros	"0017"

### 3.2.4.31.3 Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) Constraints

The T\_C must be followed by at least one TCMD (T\_D) record for a shipment unit loaded in the CONEX, unitized pallet, or other consolidation container. It follows T\_Bs, if any, and precedes single shipment units T\_A TCMDs on a manifest.

### 3.2.4.31.4 Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) Example

An example of T\_C is shown in Figure 3-37.

TXC23234WIGBE4R19980423VMDGUNBLVFAAAWAD1A0\$0F00040XXW16GIG1163 G19980921  
F8A00001053000017

**Figure 3-37. Loaded CONEX, Unitized Pallet and all Consolidation Containers (T\_C) Example.**

### 3.2.4.32 Outsized Dimensions (T\_E) Transaction

#### 3.2.4.32.1 Outsized Dimensions (T\_E) Transaction Description

The Outsized Dimensions trailer record is required for outsized cargo and for Government vehicles, trailers, wheeled/tracked guns, and aircraft. An Outsized Dimensions record is associated with a prime TCMD, T\_A, or T\_D record. The Outsized Dimensions record is tied to the TCMD record through the TCN and Document Identification (DOC\_ID). The first two positions of the DOC\_ID on the Outsized Dimensions record match the associated TCMD record. There are multiple formats for the T\_E: one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to other than Central and South America; one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central and South America; and one for outsized cargo.

#### 3.2.4.32.2 Outsized Dimensions (T\_E) Transaction Format

The format of the T\_E for Government vehicles, trailers, wheeled guns, and aircraft not being shipped to Central or South America is shown in Table 3-36a. The format of the T\_E for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central or South America is shown in Table 3-36b. The format of the T\_E for outsized cargo is shown in Table 3-36c.

**Table 3-36a. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVE) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TVE. Second position matches associated prime TCMD record.	"TVE"
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record.	"58"
Hour Received	HR_RCVD	6	6	O (M)	Matches data from the prime TCMD record.	"A"
Date Received	DATE_RCVD	7	8	O (M)	Matches data from the prime TCMD record	"98"
Model	MODEL	9	14	O	Model of the aircraft, vehicle, trailer, etc.	"M35A2"
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	M	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two.	"BII02"
Blank	FILLER6	20	25	M	Leave blank.	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	Same as prime TCMD data entry.	"A"
POE	POE	27	29	M	Same as prime TCMD data entry.	"DOV"

**Table 3-36a. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVE) Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
POD	POD	30	32	M	Same as prime TCMD data entry.	"RMS"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry.	"I"
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry.	"SW30112282 X804XXX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	"WK4FDK"
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	"1"
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	"00123"
Length indicator	L_CONSTANT	65	65	M	Indicates the dimensions in position 60-64 is the length	"L"
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	"089"
Width Indicator	W_CONSTANT	69	69	M	W Indicates the dimensions in position 66-68 is the width	"W"
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	"034"
Height indicator	H_CONSTANT	73	73	M	H Indicates the dimensions in position 70-72 is the height	"H"
Serial Number	SERIAL_NBR	74	86	O	Enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces.	" "

**Table 3-36b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft Shipped to Central and South America (TVE) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TVE. For shipments of vehicles to Central and South America, a TVI trailer entry indicating the vehicle make and year in rp 54-79 is required.	"TVE"
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record.	"5S"
Hour Received	HR_RCVD	6	6	O (M)	Matches data from the prime TCMD record.	"A"
Date Received	DATE_RCVD	7	8	O (M)	Matches data from the prime TCMD record	"97"

**Table 3-36b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft Shipped to Central and South America (TVE) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Abbreviated Nomenclature	NOMENCLATURE	9	14	M	Nomenclature for the shipment unit that is a Government vehicle, trailer, wheeled/tracked gun, or aircraft that is being shipped to Central or South America.	"Trk, C"
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	M	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two. For all others, enter the commodity code from TCMD	"BII02 "
Blank	FILLER6	20	25	M	Leave blank.	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	Same as prime TCMD data entry.	"A"
POE	POE	27	29	M	Same as prime TCMD data entry.	"DOV"
POD	POD	30	32	M	Same as prime TCMD data entry.	"RMS"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry.	"I"
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry.	"SW30112282 X804XXX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	"WK4FDK"
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	"1"
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	"00123"
Length indicator	L_CONSTANT	65	65	M	"L" Indicates the dimensions in position 60-64 is the length	"L"
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	"089"
Width Indicator	H_CONSTANT	69	69	M	"W" Indicates the dimensions in position 66-68 is the width	"W"
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	"034"
Height indicator	H_CONSTANT	73	73	M	"H" Indicates the dimensions in position 70-72 is the height	"H"
Serial Number	SERIAL_NBR	74	86	O	Enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces.	" "

**Table 3-36c. Outsized Dimensions (T\_E) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated prime TCMD record. (Other than a TV5)	“TX5”
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record.	“ 5S”
Hour Received	HR_RCVD	6	6	O (M)	Matches data from the prime TCMD record.	“R”
Date Received	DATE_RCVD	7	8	O (M)	Matches data from the prime TCMD record	“98”
Model	MODEL	9	14	C		“ ”
Blank	FILLER3	15	17	M	Leave blank.	“ ”
Blank	FILLER6	18	23	M	Leave blank.	“ ”
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry for an ocean shipment	“VM”
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	“Z ”
POE	POE	27	29	M	Same as prime TCMD data entry.	“PCS”
POD	POD	30	32	M	Same as prime TCMD data entry.	“RCU”
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry.	“K”
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry.	“AWAD1A0\$0D00150XX”
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	“W16G1G”
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	“1”
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	“00168”
Length indicator	L_CONSTANT	65	65	M	“L” Indicates the dimensions in position 60-64 is the length	“L”
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	“104”
Width Indicator	W_CONSTANT	69	69	M	“W” Indicates the dimensions in position 66-68 is the width	“W”
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	“080”
Height indicator	H_CONSTANT	73	73	M	“H” Indicates the dimensions in position 70-72 is the height	“H”
Pieces	PR_DOC_PC	74	77	M	Number of pieces to which above dimensions apply.	“0001”
Piece Weight	PR_DOC_WT	78	82	M	Weight of one of the pieces to which dimensions apply. TCMD prime has total.	“03500”
Piece Cube	PR_DOC_CUBE	83	86	M	Cube of one of the pieces. TCMD has total.	“0017”

### **3.2.4.32.3 Outsized Dimensions (T\_E) Transaction Constraints**

The T\_E record must follow its associated TCMD record. Comment trailer records (T\_I) which match the first two positions of the document ID may occur after the T\_E record as well as other trailer records.

### **3.2.4.32.4 Outsized Dimensions (T\_E) Transaction Example**

An example of the T\_E transaction is shown in Figure 3-38.

TX55SR98            VMZPCSRCUKABAWAD1A0\$0D00150XXW16G1G100168L104W080H0001035000017

**Figure 3-38. Outsized Dimensions (T\_E) Transaction Example.**

### **3.2.4.33 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) Transaction**

#### **3.2.4.33.1 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) Transaction Description**

Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer records are required to be associated with a TCMD record for single shipment units not in a consolidation container. The Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record is tied to the TCMD record through the TCN and DOC\_ID. The first two positions of the DOC\_ID on the Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record match the associated TCMD record.

The T\_F has two formats. The formats are dependent on the code in the second position of the document identifier. The TEF is for ammunitions and explosives. TJF is for other hazardous material. T\_F format is for stock-numbered items that are not ammunitions, explosives, or other hazardous material.

#### **3.2.4.33.2 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) Transaction Format**

The formats of the Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) transactions are shown in Tables 3-37a and 3-37b.

**Table 3-37a. Ammunitions and Explosives (TEF) and Hazardous Materials (TJF) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Second position of the DOC_ID matches the TCMD, either J or E.	“TEF”
Pallet Designator	MOD_ID	4	5	C	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	“5S”
Hour Received	HR_RCVD	6	6	O (M)	Matches TCMD	“G”
Date Received	DATE_RCVD	7	8	O (M)	Matches TCMD	“98”
Round Count	COUNT	9	14	M	Total round count or number followed by M (thousands). Leave blank for other than ammunition.	“000001”
Hour Shipped	HR_SHIP	15	15	O (M)	GTN required derived from Flt_Dep_Hr of TAA.	“Q”
Date Shipped	DATE_SHIP	16	23	O (M)	GTN required derived from Flt_Dep_Hr of TAA. YYYYMMDD	“19980921”
Air Commodity	AIR_CMDTY_CD	24	25	M	GTN required Matches TCMD	“M”
Air Dimension Code	AIR_DIM_CD	26	26	M	GTN required Matches TCMD	“A”
APOE	APOE	27	29	M	GTN required Matches TCMD	“DOV”
APOD	APOD	30	32	M	GTN required Matches TCMD	“RMS”
MODE	MODE	33	33	M	GTN required Matches TCMD	“T”
Manifest Reference	MFST_REF	34	35	M	GTN required Matches TCMD	“AB”
TCN	TCN	36	52	M	GTN required Matches TCMD	“SW30112282X 804XXX”
Consignee	CONSIGNEE	53	58	M	GTN required Matches TCMD	“WK4FDK”
Priority	PRIORITY	59	59	M	GTN required Matches TCMD	“1”
Stock Number	NSN	60	72	M	Enter NSN. If stock number is not known enter NNSN in positions 60-63, leave 64-72 Spaces	“NNSN ”
DoDIC	DoDIC	73	76	M	DoDIC for TEF; “IMO” for TJF.	“AO11”
Class Division	CLASS_DIV	77	78	M	For hazardous, See IMDGC, 49 CFR	“13”
Blank	FILLER1	79	79	M	Leave blank.	“ ”
UN or NA	UN_NA	80	81	M	Contains value “UN” or “NA”.	“UN”
Identification Number	IDENT_NBR	82	85	M	Four digit number from IMDGC or other pub.	“1234”
Compatibility Group	COMPATIBILITY_GP	86	86	C	For TEF, enter compatibility group code from IMDGC or 49 CFR.	“H”



**Table 3-37b. Stock Number (T\_F) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Second position of the DOC_ID matches the TCMD (Not J or E)	“TXF”
Pallet Designator	MOD_ID	4	5	M	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	“5S”
Hour Received	HR_RCVD	6	6	O (M)	GTN required matches TCMD	“G”
Date Received	DATE_RCVD	7	8	O (M)	GTN required matches TCMD	“98”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Hour Shipped	HR_SHIP	15	15	O (M)	Derived from Flt_Dep_Hr of TAA	“Q”
Date Shipped	DATE_SHIP	16	23	O (M)	Derived from Flt_Dep_Hr of TAA. YYYYMMDD	“19900921”
Air Commodity	AIR_CMDTY_CD	24	25	M	Matches TCMD	“Z”
Air Dimension Code	AIR_DIM_CD	26	26	M	Matches TCMD	“A”
APOE	APOE	27	29	M	Matches TCMD	“DOV”
APOD	APOD	30	32	M	Matches TCMD	“RMS”
MODE	MODE	33	33	M	Matches TCMD	“T”
Manifest Reference	MFST_REF	34	35	M	Matches TCMD	“AB”
TCN	TCN	36	52	M	Matches TCMD	“AWAB0B0\$0D00020XX”
Consignee	CONSIGNEE	53	58	M	Matches TCMD	“WK4FDK”
Priority	PRIORITY	59	59	M	Matches TCMD	“1”
Stock Number	NSN	60	72	C	Enter NSN. If stock number is not known enter NNSN in positions 60-63, leave 64-72 Spaces.	“2540010130846”
Nomenclature for Nonhazardous	ABRV_NOMEN	73	86	C	For nonhazardous material, enter the abbreviated nomenclature of the item listed in record position 60-72. (Second position of DIC is other than “E” or “J”).	“HEATER, VEH”

### 3.2.4.33.3 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) Transaction Constraints

The Ammunitions and Explosives, Hazardous Materials, and Stock Number record must follow its associated TCMD record. The T\_I records which match the first two positions of the DOC\_ID may occur after the Ammunitions and Explosives, Hazardous Materials, and Stock Number record as well as other trailer records.

#### 3.2.4.33.4 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T\_F) Transaction Example

An example of the Ammunitions and Explosives (TEF), Hazardous Materials (TJF) is shown in Figure 3-39a, and an example of Stock Number (T\_F) transaction is shown in Figure 3-39b.

TEF 0 Z1H31D1FPTAWAD1A0\$0F00040XXWIGBE41NNSN G91614UN0452G

**Figure 3-39a. Ammunitions and Explosives (TEF), Hazardous Materials (TJF) Transaction Example.**

TXF5SG98 Q19980921ZADOVRMSTABAWABOBO\$0D00020XXWK4FDK1254001030846HEATER,VEH

**Figure 3-39b. Stock Number Item (T\_F) Transaction Example.**

#### 3.2.4.34 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction

##### 3.2.4.34.1 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Description

Net Explosive Weight and Lot Number TEG records are required to be associated with a TCMD record when the shipment unit is ammunition or explosives. The Net Explosive Weight and Lot Number record is tied to the prime TCMD record through the TCN and DOC\_ID. The first two positions of the DOC\_ID on the Net Explosive Weight and Lot Number record match the associated TCMD record.

If the shipment unit contains more than one lot, a separate TEG is made for each lot. If any single piece of a shipment unit (consolidation container, warehouse pallet, etc.) contains multiple lots, separate TEI data is required for each lot. Therefore, a shipment unit TCMD T\_A or T\_D could have more than one TEG and more than one TEI.

##### 3.2.4.34.2 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format

The format of the NEW and TEG transaction is shown in Table 3-38.

**Table 3-38. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_G. Second position matches prime TCMD.	"TEG"
Pallet Designator	MOD_ID	4	5	M	GTN required matches TCMD	"5S"
Hour Received	HR_RCVD	6	6	O (M)	GTN required matches TCMD	"G"
Date Received	DATE_RCVD	7	8	O (M)	GTN required matches TCMD	"98"
Net Explosive Weight	NEW	9	14	M	Weight of explosive material	"002975"

**Table 3-38. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Hour Shipped	HR_SHIP	15	15	O (M)	GTN required matches TCMD	"Q"
Date Shipped	DATE_SHIP	16	23	O (M)	GTN required matches TCMD	"19980423"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	GTN required matches TCMD	"Z"
Air Dimension Code	AIR_DIM_CD	26	26	M	GTN required matches TCMD	"A"
APOE	APOE	27	29	M	GTN required matches TCMD	"DOV"
APOD	APOD	30	32	M	GTN required matches TCMD	"RMS"
MODE	MODE	33	33	M	GTN required matches TCMD	"I"
Manifest Reference	MFST_REF	34	35	M	GTN required matches TCMD	"AB"
TCN	TCN	36	52	M	GTN required matches TCMD	"SW30112282X804 XXX"
Consignee	CONSIGNEE	53	58	M	GTN required matches TCMD	"WK4FDX"
Priority	PRIORITY	59	59	M	GTN required matches TCMD	"1"
Lot Number	LOT_NR	60	73	M		"12341234567890"
Pieces	MOD_PC	74	77	M	Number of pieces in the lot.	"0001"
Weight	MOD_WT	78	82	M	Lot weight in pounds.	"02975"
Cube	MOD_CUBE	83	86	M	Cubic feet of lot.	"0464"

### 3.2.4.34.3 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Constraints

The NEW and TEG record must follow its associated TCMD record. T\_I records which match the first two positions of the DOC\_ID of the prime TCMD may occur after the NEW and TEG.

### 3.2.4.34.4 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Example

An example of the NEW and TEG transaction is shown in Figure 3-40.

TEG5SG98002975Q19980423ZADOVRMSIABSW30112282X804XXXWK4FDX112341235678900001029750464

**Figure 3-40. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Example.**

### 3.2.4.35 Household Goods and Baggage Ownership Data (T\_H)

#### 3.2.4.35.1 Household Goods and Baggage Ownership Data (T\_H) Description

The T\_H documents the ownership of a household goods and baggage shipment moving by air or truck. It can also document the ownership information for a POV. The second position of the document identifier is "P" when the T\_H documents a POV.

### 3.2.4.35.2 Household Goods and Baggage Ownership Data (T\_H) Format

The format for Household Goods and Baggage Ownership (T\_H) is shown in Table 3-39a. The format for POV Ownership (TPH) is shown in Table 3-39b.

**Table 3-39a. Household Goods and Baggage Ownership Data (T\_H) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_H Second position may be: B = Accompanied baggage F = Unaccompanied baggage H = Household goods P = Privately owned vehicle	“THH”
Pallet Designator	MOD_ID	4	5	M	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	“5S”
Hour Received	HR_RCVD	6	6	O (M)	GTN required matches TCMD	“G”
Date Received	DATE_RCVD	7	8	O (M)	GTN required matches TCMD	“98”
Consignor	CONSIGNOR	9	14	M	For household goods or baggage, enter the consignor DoDAAC. For POVs, enter the last two digits of the POV model year followed by the first four characters of the manufacturer name (FORD, CHEV, PLYM).	“FE4819”
Hour Shipped	HR_SHIP	15	15	M	Derived from Flt_Dep_Hr of TAA or TAT record.	“G”
Date Shipped	DATE_SHIP	16	23	M	YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry.	“JZ”
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	“A”
APOE	APOE	27	29	M	Same as prime TCMD data entry.	“GUN”
APOD	APOD	30	32	M	Same as prime TCMD data entry.	“BLV”
Mode	MODE	33	33	M	Same as prime TCMD data entry.	“F”
Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry.	“AA”
TCN	TCN	36	52	M	Same as prime TCMD data entry.	“A7148299448128HXX”
Consignee	CONSIGNEE	53	58	O	Same as prime TCMD data entry.	“W15QLL”
Transportation Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	“2”
Owner's Last Name	OWNER_LAST_NAME	60	72	O	Personal Property Owner's Last name.	“GREGORY ”

**Table 3-39a. Household Goods and Baggage Ownership Data (T\_H) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Owner's Initials	OWNER_INITIALS	73	74	O	Personal Property Owner's Initials.	"PL"
Owner's Military or Civilian Grade	OWNER_GRADE	75	76	O	Personal Property Owner's military or civilian grade code (appendix F10)	"E4"
Disposition Code	DISPOSITION_ CODE	77	77	O	Code that describes the type of shipment.	" "
DPM Shipment Net Weight	MOD_WT	78	82	O	Activities outside CONUS enter net weight of DPM shipments going to CONUS. CONUS activities leave blank.	"00145"
Carrier Code	CARRIER_CD	83	86	O	If ITGBL codes T, J or 5, enter SCAC code for the carrier. Otherwise leave blank.	" "

**Table 3-39b. POV Ownership Data (TPH) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_H. Second position may be: B = Accompanied baggage; F = Unaccompanied baggage; H = Household goods; P = Privately owned vehicle.	"TPH"
Pallet Designator	MOD_ID	4	5	M	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	" "
Hour Received	HR_RCVD	6	6	O (M)	GTN required matches TCMD	"G"
Date Received	DATE_RCVD	7	8	O (M)	GTN required matches TCMD	"89"
Model and Make	MODEL_YEAR	9	14	M	For POVs, enter the last two digits of the POV model year followed by the first four characters of the manufacturer name (FORD, CHEV, PLYM).	"87BUIC"
Hour Shipped	HR_SHIP	15	15	M	Derived from Flt_Dep_Hr of TAA or TAT record.	"G"
Date Shipped	DATE_SHIP	16	23	M	Derived from Flt_Dep_Hr of TAA or TAT record. YYYYMMDD	"19990921"
Air Commodity	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry.	"VZ"
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	"Z"
APOE	APOE	27	29	M	Same as prime TCMD data entry.	"GUN"
APOD	APOD	30	32	M	Same as prime TCMD data entry.	"BLV"
Mode	MODE	33	33	M	Same as prime TCMD data entry.	"F"

**Table 3-39b. POV Ownership Data (TPH) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry.	"AA"
TCN	TCN	36	52	M	Same as prime TCMD data entry.	"A717532368294 7PXX"
Consignee	CONSIGNEE	53	58	O	Same as prime TCMD data entry.	"W15QLL"
Transportation Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	"2"
Owner's Last Name	OWNER_LAST_NAME	60	72	O	Personal Property Owner's Last name.	"WOLF"
Owner's Initials	OWNER_INITIALS	73	74	O	Personal Property Owner's Initials.	"ME"
Owner's Military or Civilian Grade	OWNER_GRADE	75	76	O	Personal Property Owner's military or civilian grade code (appendix F10)	"E4"
License State	LICENSE_STATE	77	78	O	Enter abbreviation for state issuing vehicle license plate. If none, enter NO.	"GE"
Vehicle License Plate Last Five	LAST_FIVE_LICENSE	79	83	O	Enter last five letters/numbers of license plate. If less than five, left zero fill.	"NONE"
Vehicle Color	VEHICLE_COLOR	84	86	O	Enter abbreviation for predominate vehicle color, e.g. blk, blu, red, etc.	"BLU"

### 3.2.4.35.3 Household Goods and Baggage Ownership Data (T\_H) Constraints

The T\_H and TPH may follow a T\_A or T\_D. It precedes any T-I present that is associated with the prime record.

### 3.2.4.35.4 Household Goods and Baggage Ownership Data (T\_H) Example

An example of a T\_H is shown in Figure 3-41.

THH5SG19980423FE4819G19980921JZAGUNBLVFAAA7148299448128HXXW15QLL2GREGORY PLE4  
00485

**Figure 3-41. Household Goods and Baggage Ownership Data (T\_H) Example.**

### 3.2.4.36 General Miscellaneous not Otherwise Detailed (T\_I)

#### 3.2.4.36.1 General Miscellaneous not Otherwise Detailed (T\_I) Description

A T\_I record contains specific information for a loose shipment unit or a containerized shipment unit. This record records the additional information that is not covered elsewhere in the TCMDs.

The second position of the DOC\_ID matches the prime TCMD record to which the trailer record is associated.

### 3.2.4.36.2 General Miscellaneous not Otherwise Detailed (T\_I) Format

The format of the General Miscellaneous not Otherwise Detailed (T\_I) transaction is shown in Table 3-40a. The format of the General Miscellaneous not Otherwise Detailed for Unit Move (T\_I) transaction is shown in Table 3-40b.

**Table 3-40a. General Miscellaneous not Otherwise Detailed (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	"TXI" (general cargo trailer record)
Pallet Designator	MOD_ID	4	5	M	Same as prime TCMD data entry.	"AA"
Hour Received	HR_RCVD	6	6	O (M)	GTN required same as prime TCMD data entry.	"G"
Date Received	DATE_RCVD	7	8	O (M)	GTN required same as prime TCMD data entry.	"89"
Blank	FILLER6	9	14	M	Leave blank.	" "
Hour Shipped	HR_SHIP	15	15	O (M)	GTN required same as prime TCMD data entry.	"Z"
Date Shipped	DATE_SHIP	16	23	O (M)	GTN_required same as prime TCMD data entry. YYYYMMDD	"19980921"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry.	"G" (Paper product)
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	"A"
POE	POE	27	29	M	Same as prime TCMD data entry.	"DOV"
POD	POD	30	32	M	Same as prime TCMD data entry.	"RMS"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry.	"A"
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry.	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry.	"FD44933232050X XX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	"WK4FDK" (DoDAAC)
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	"1"
Remarks	REMARKS_TEXT	60	85	M	Using as many T_I entries as necessary, enter the clear text data necessary for shipment, but not detailed in other data entries.	"NONFLAMMAB LE GAS UN1072 "
Sequence Number	SEQ_NBR	86	86	M	A sequence number beginning with one for each T_I entry for the shipment.	"1" (First T_I for this shipment unit)

**Table 3-40b. General Miscellaneous not Otherwise Detailed for Unit Move (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. Second position matches prime TCMD	“TXI” (general cargo trailer record)
Pallet Designator	MOD_ID	4	5	M	Same as prime TCMD data entry.	“AA”
Hour Received	HR_RCVD	6	6	O (M)	GTN required same as prime TCMD data entry.	“G”
Date Received	DATE_RCVD	7	8	O (M)	GTN required Same as prime TCMD data entry.	“89”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Hour Shipped	HR_SHIP	15	15	O (M)	GTN required same as prime TCMD data entry.	“Q”
Date Shipped	DATE_SHIP	16	23	O (M)	GTN required same as prime TCMD data entry. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry.	“Z” (Paper product)
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	“A”
POE	POE	27	29	M	Same as prime TCMD data entry.	“DOV”
POD	POD	30	32	M	Same as prime TCMD data entry.	“RMS”
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry.	“A”
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry.	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry.	“FD44933232050X XX”
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	“WK4FDK” (DoDAAC)
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	“1”
ULN	ULN	60	63	O	GTN required For Army deployments enter “ULN:”.	“ULN:”
ULN Number	ULN_NBR	64	69	C	If ULN is entered in RP 60-63, enter the applicable unit line number.	“123456”
Blank	FILLER16	70	85	M	Leave blank.	“ ”
Sequence Number	SEQ_NBR	86	86	M	A sequence number beginning with one for each T_I entry for the shipment.	“1” (First T_I for this shipment unit)

### 3.2.4.36.3 General Miscellaneous not Otherwise Detailed (T\_I) Constraints

This record must follow an associated T\_A or T\_D and its associated trailer records. It is a required trailer record for shipment units associated with a unit move. This trailer record is not for ammunitions/explosives or other hazardous items.



### 3.2.4.36.4 General Miscellaneous not Otherwise Detailed (T\_I) Example

An example of the T\_I transaction is shown in Figure 3-42.

TXIAAG89 Z19980921GADOVRMSAABFD44933232050XXXWK4FDK1NONFLAMMABLE GAS  
UN1072 1

**Figure 3-42. General Miscellaneous not Otherwise Detailed (T\_I) Example.**

### 3.2.4.37 SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I)

#### 3.2.4.37.1 SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Description

A T\_I record contains specific information about loaded or empty SEAVAN/MILVAN/CONEX or Refrigerated Van (REEFER). This record records the additional information that is not covered elsewhere in the TCMDs. The second position of the DOC\_ID matches the prime TCMD record to which the trailer record is associated.

#### 3.2.4.37.2 SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Format

The format of the loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) transaction is shown in Table 3-41a. The format of an empty SEAVAN/MILVAN (Van) Miscellaneous Information(T\_I) transaction is shown in Table 3-41b. The format of a REEFER (Van) Miscellaneous Information(T\_I) transaction is shown in Table 3-41c.

**Table 3-41a. Loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD	"TXI"
Container/ Trailer Number	CONT_TRL_NBR	4	8	O	GTN required same as prime TCMD, T_B, or T_C	"X2345"
VAN Zip Code	ZIP_CODE	9	14	M	X followed by the five-digit zip code for the van's point of origin	"X23801"
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	M	YYYYMMDD	"19980921"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"VZ"
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD, T_2, or T_3	"D"
APOE	APOE	27	29	M	Same as prime TCMD, T_B, or T_C	"PQS"
APOD	APOD	30	32	M	Same as prime TCMD, T_B, or T_C	"RCU"

**Table 3-41a. Loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Format (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	34	35	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet. For empty CONEX, enter type pack code	"40"
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Van Number Indicator	VN_INDICATOR	60	61	M	VN	"VN"
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	"00123456"
Dash	DASH	70	70	M	Enter "-"	"_"
Check Digit	CHECK_DIGIT	71	71	C	Check digit marked on the container. If the container does not have a check digit, leave a space	"S"
Seal Number	SEAL_NBR	72	79	O	GTN required complete seal number of the seal used to seal the container	"88121492"
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces	"LYKU"
Beam Assemblies	BEAM_ASSEMBLIES	84	85	C	For MILVANs enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces	"02"
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_9 record for the shipment unit	"1"

**Table 3-41b. Empty SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD	"TXI"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD, T_B, or T_C	"X2345"
VAN Zip Code	ZIP_CODE	9	14	M	X followed by the five-digit zip code for the van's point of origin	"X23801"

**Table 3-41b. Empty SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Format.  
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Hour Shipped	HR_SHIP	15	15	O (M)	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	O (M)	Day shipment shipped from POE. YYYYMMDD	"19980921"
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"RZ"
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD, T_2, or T_3	"D"
APOE	APOE	27	29	M	Same as prime TCMD, T_B, or T_C	"PQS"
APOD	APOD	30	32	M	Same as prime TCMD, T_B, or T_C	"RCU"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	"V"
Type Pack Code	TYPE_PK_CD	34	35	M	Same as prime TCMD data entry	"CO"
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Van Number Indicator	VN_INDICATOR	60	61	M	VN	"VN"
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	"00123456"
Dash	DASH	70	70	O	Enter -	"."
Check Digit	CHECK_DIGIT	71	71	O	Check digit marked on the container. If the container does not have a check digit, leave a space	"S"
Seal Number	SEAL_NBR	72	79	O	Complete seal number of the seal used to seal the container	"88121492"
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces	"LYKU"
Beam Assemblies	BEAM_ASSEMBLIES	84	85	O	For MILVANS enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces	"02"
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_9 record for the shipment unit	"1" (first T_9 record for the container)

**Table 3-41c. REEFER (Van) Miscellaneous Information (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD.	"TXI"
Container/Trailer No.	CONT_TRL_NBR	4	8	O	GTN required same as prime TCMD, T_B or T_C	"X2345"
VAN Zip Code	ZIP_CODE	9	14	M	"X" followed by the five digit ZIP code for the van's point of origin	"X23801"
Fahrenheit	FAHRENHEIT	15	19	M	For a reefer van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g. 34 degrees is shown as F34XX	"F34XX"
Blank	FILLER6	20	25	M	Leave blank to compensate for Y2K date field changes.	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	Same as prime TCMD, T_B or T_C	"D"
APOE	APOE	27	29	M	Same as prime TCMD, T_B or T_C	"PQS"
APOD	APOD	30	32	M	Same as prime TCMD, T_B or T_C	"RCU"
MILVAN/ SEAVAN/ CONEX indicator	VAN_INDICATOR	33	33	M	Always "V"	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	34	35	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet.	"CO"
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Van Number Indicator	VN_INDICATOR	60	61	M	"VN"	"VN"
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	"00123456"
Dash	DASH	70	70	M	Enter "-"	"-"
Check Digit	CHECK_DIGIT	71	71	C	Check digit marked on the container. If the container does not have a check digit, leave a space.	"S"
Seal Number	SEAL_NBR	72	79	O	Complete seal number of the seal used to seal the container	" "
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces.	" "
Beam assemblies	BEAM_ASSEMBLIES	84	85	C	For MILVANS enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces.	" "
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_I record for the shipment unit.	"1"

### 3.2.4.37.3 SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Constraints

This record must follow an associated T\_B or T\_C and its associated trailer records. This trailer record is not for ammunitions/explosives or other hazardous items.

### 3.2.4.37.4 SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Example

An example of the SEAVAN/MILVAN (Van) Miscellaneous Information(T\_I) transaction is shown in Figure 3-43.

TXIX2345X23801R19980921VZDPQSRCUV40AWAD1A0\$0F00010XXW16GIG1VN00123456-S88121492LYKU021

**Figure 3-43. SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) Example.**

### 3.2.4.38 SEAVAN/MILVAN Stopoff Points (T\_I)

#### 3.2.4.38.1 SEAVAN/MILVAN Stopoff Points (T\_I) Description

The T\_I record contains specific information about the stopoffs to be made by a SEAVAN/MILVAN. The second position of the DOC\_ID matches the prime TCMD record to which the trailer record is associated.

#### 3.2.4.38.2 SEAVAN/MILVAN Stopoff Points (T\_I) Format

The format of the SEAVAN/MILVAN Stopoff Points (T\_I) transaction is shown in Table 3-42a. The format of the SEAVAN/MILVAN REEFER Stopoff Points (T\_I) transaction is shown in Table 3-42b.

**Table 3-42a. SEAVAN/MILVAN Stopoff Points (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	"TXI"
Container/ Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD data entry	"X2345"
Zip Code	ZIP_CODE	9	14	M	X followed by the zip code for the van's point of origin	"X23801"
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE. DoD 4500.32-1-R, App F7	"R"
Date Shipped	DATE_SHIP	16	23	M	Day shipment shipped from POE. YYYYMMDD	"19980921"
Air Commodity Code	AIR_CMDTY_D	24	25	M	Enter a code from DoD 4500.32-1-R, App F2. Commodity code for the cargo with the greatest cubic feet in the container	"RZ"

**Table 3-42a. SEAVAN/MILVAN Stopoff Points (T\_I) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER1	26	26	M	Leave blank.	“ ”
APOE	APOE	27	29	M	Same as on the prime TCMD data entry	“PQS”
APOD	APOD	30	32	M	Same as on the prime TCMD data entry	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	“V”
Van Length Ordered	VAN_LENGTH_ORDERED	34	35	M	Length of the van ordered, in feet	“40”
Shipment Unit TCN	TCN	36	52	M	Same as prime T_2 or T_3 TCMD data entry	“AWAD1A0\$0F00010XX”
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the shipment unit	“W16G1G”
Trans Priority	PRIORITY	59	59	M	Priority of the shipment unit	“1”
Stopoff	STOP_OFF_NBR	60	65	M	STOP and the stopoff number, e.g., STOP01	“STOP01”
Stopoff DoDAAC	DoDAAC	66	71	M	The DoDAAC of the stopoff indicated in rp 60-65	“W16G1G”
Blank	FILLER2	72	73	M	Leave blank.	“ ”
Stopoff	STOP_OFF_NBR	74	79	O	STOP and the stopoff number, e.g., STOP01	“ ”
Stopoff DoDAAC	STOP_OFF_LOC	80	85	O	The DoDAAC of the stopoff indicated in rp 74-79	“ ”
Sequence Indicator	SEQ_IND	86	86	M	Sequence indicator, beginning with letter A, for each T_R stopoff data entry	“A”

**Table 3-42b. SEAVAN/MILVAN REEFER Stopoff Points (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	“TXI”
Container/Trailer No.	CONT_TRL_NBR	4	8	O	GTN required same as Prime TCMD data entry.	“X2345”
ZIP Code	ZIP_CODE	9	14	M	“X” followed by the ZIP code for the van’s point of origin.	“X23801”

**Table 3-42b. SEAVAN/MILVAN REEFER Stopoff Points (T\_I) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Fahrenheit	FAHRENHEIT	15	19	M	For a reefer van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g. 34 degrees is shown as F34XX	"F34XX"
Blank	FILLER1	20	20	M	Leave blank.	" "
Blank	FILLER6	21	26	M	Leave blank to compensate for Y2K date field changes.	" "
APOE	APOE	27	29	M	Same as on the Prime TCMD data entry.	"PQS"
APOD	APOD	30	32	M	Same as on the Prime TCMD data entry.	"RCU"
MILVAN/ SEAVAN/ CONEX indicator	VAN_INDICATOR	33	33	M	Always "V"	"V"
Van Length ordered	VAN_LENGTH_ ORDERED	34	35	M	Length of the van ordered, in feet.	"40"
Shipment Unit TCN	TCN	36	52	M	Same as Prime T_B or T_C TCMD data entry.	"AWAD1A0\$0F00 010XX"
Consignee	CONSIGNEE	53	58	M	DoDAAC for the consignee of the shipment unit	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Priority of the shipment unit	"1"
Stop-off	STOP_OFF_NBR	60	65	M	"STOP" and the stop-off number, e.g., STOP01.	"STOP01"
Stop-off DoDAAC	DoDAAC	66	71	M	The DoDAAC of the stop-off indicated in rp 54-59.	"W16G1G"
Filler	FILLER2	72	73	M	Leave spaces.	" "
Stop-off	STOP_OFF_NBR	74	79	O	"STOP" and the stop-off number, e.g., STOP01.	"STOP02"
Stop-off DoDAAC	STOP_OFF_LOC	80	85	O	The DoDAAC of the stop-off indicated in rp 68-73.	"W18G2H"
Sequence Indicator	SEQ_IND	86	86	M	Sequence indicator, beginning with letter A, for each T_R stop-off data entry.	"A"

### 3.2.4.38.3 SEAVAN/MILVAN Stopoff Points (T\_I) Constraints

This record must follow an associated T\_B or T\_C and its associated trailer records. This trailer record is not for ammunitions/explosives or other hazardous items.

#### 3.2.4.38.4 SEAVAN/MILVAN Stopoff Points (T\_I) Example

An example of the SEAVAN/MILVAN (Van) Miscellaneous Information (T\_I) transaction is shown in Figure 3-44.

TXIX2345X23801R19980921VZ PQSRCUV40AWAD1A0\$0F00010XXW16GIG1STOP01WI6G1G STOP02W18G2HA

**Figure 3-44. SEAVAN/MILVAN Stopoff Points (T\_I) Example.**

#### 3.2.4.39 Additional Required Hazardous Material Information (T\_I)

##### 3.2.4.39.1 Additional Required Hazardous Material Information (T\_I) Description

A TEI or TJI record contains specific information for a hazardous material shipment unit.

##### 3.2.4.39.2 Additional Required Hazardous Material Information (T\_I) Format

The format of the Additional Required Hazardous Material Information (TEI, TJI) transaction is shown in Table 3-43.

**Table 3-43. Additional Required Hazardous Material Information (T\_I) Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. Matches the Prime TCMD	“TEI”
Pallet Designator	MOD_ID	4	5	M	Same as prime TCMD data entry.	“5S”
Hour Received	HR_RCVD	6	6	O (M)	GTN required same as prime TCMD data entry.	“G”
Date Received	DATE_RCVD	7	8	O (M)	GTN required same as prime TCMD data entry.	“98”
Blank	FILLER6	9	14	M	Leave blank.	“ ”
Hour Shipped	HR_SHIP	15	15	O (M)	GTN required same as prime TCMD data entry.	“Q”
Date Shipped	DATE_SHIP	16	23	O (M)	GTN required same as prime TCMD data entry. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	M	Same as prime TCMD data entry.	“GZ”
Air Dimension Code	AIR_DIM_CD	26	26	M	Same as prime TCMD data entry.	“A”
POE	POE	27	29	M	Same as prime TCMD data entry.	“DOV”
POD	POD	30	32	M	Same as prime TCMD data entry.	“RMS”
Mode	MODE	33	33	M	Same as prime TCMD data entry.	“T”
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry.	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry.	“SW30112282X804XXX”



**Table 3-43. Additional Required Hazardous Material Information (T\_I) Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignee	CONSIGNEE	53	58	M	Same as prime TCMD data entry.	"WK4FDX"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry.	"1"
Remarks	REMARKS_TEXT	60	85	M	Using as many T_I entries as necessary, enter the information identified in DoD 4500.32-1-R, Figure D-15.	"ROCKETS"
Sequence Number	SEQ_NBR	86	86	M	A sequence number beginning with one for each T_I entry for the shipment.	"1"

### 3.2.4.39.3 Additional Required Hazardous Material Information (T\_I) Constraints

This record must follow an associated T\_A or T\_D and its associated trailer records. It is a required trailer record for shipment units that are ammunition/explosives or other hazardous items. The second position of the DOC\_ID will either be E or J, whichever is in its associated prime TCMD T\_A or T\_D record.

### 3.2.4.39.4 Additional Required Hazardous Material Information (T\_I) Example

An example of the T\_I transaction is shown in Figure 3-45.

TEI5SG98 Q19980921GZADOVRMSTABSW30112282X804XXXWK4FDX1ROCKETS

1

**Figure 3-45. Additional Required Hazardous Material Information (T\_I) Example.**

### 3.2.4.40 End Manifest (TZZ) Transaction

#### 3.2.4.40.1 End Manifest (TZZ) Transaction Description

A TZZ record contains specific information for a single manifest transaction and signals the end of that particular manifest. This record also signifies that the manifest is complete.

#### 3.2.4.40.2 End Manifest (TZZ) Transaction Format

The format of the TZZ transaction is shown in Table 3-44.

**Table 3-44. End Manifest (TZZ) Transaction Format.**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Always TZZ	“TZZ”
Transaction Record Count	TRANS_REC_CNT	4	7	M	Integer count of all records in message	“0011”
Port Time Zulu	PORT_TIME_ZULU	8	19	M	YYYYMMDDhhmm	“199804072312”
Manifest	MFST	20	23	M	Enter ONLY, FRST, LAST, or spaces	“ONLY”
Mission Identifier	MSN_ID	24	35	M	Matches TAA record TRANS_FLT_NBR and SCHED_ORIGN_DAY fields	“ABA0707X1CAA ”

### 3.2.4.40.3 End Manifest (TZZ) Transaction Constraints

The TZZ record must follow an associated TAA and its associated TCMD records.

### 3.2.4.40.4 End Manifest (TZZ) Transaction Example

An example of the TZZ transaction is shown in Figure 3-46.

TZZ0011199809211617ONLYABA0707X1CAA

**Figure 3-46. End Manifest (TZZ) Transaction Example.**

## 3.3 INTERFACE PRIORITY

Priority of handling TC-AIMS II files is not a factor with GTN. The files are processed in the order in which they arrive.

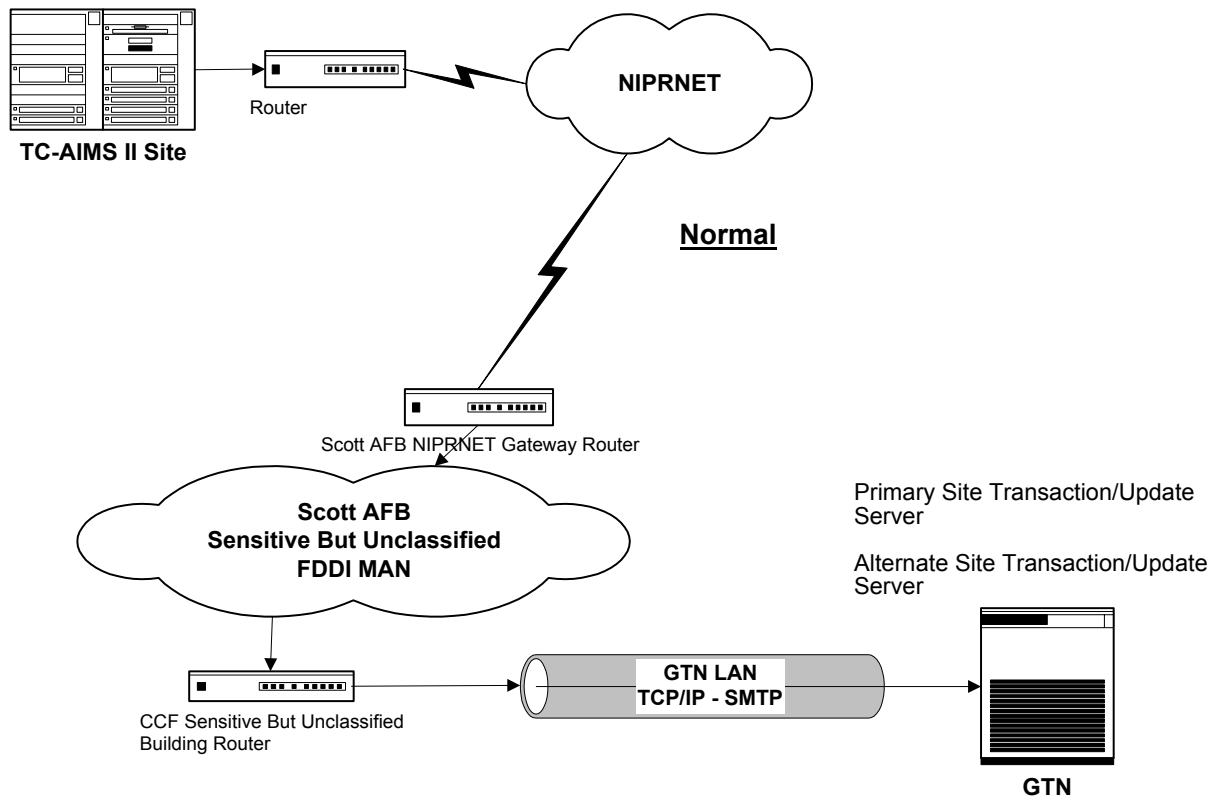
## 3.4 COMMUNICATIONS

This section details the communications interface between GTN and TC-AIMS II, including communications architecture, communications protocol, message formatting, directory structure, communications Security, non-developmental items, TC-AIMS II Site Identification and other associated interface parameters. TC-AIMS II will communicate with GTN using Internet Protocol (IP) via networks provided by the Nonclassified Internet Protocol Router Network (NIPRNET), a component of the Defense Information System Network (DISN). TC-AIMS II will transmit, or “push”

, mail messages to GTN using the Simple Mail Transfer Protocol (SMTP).

### 3.4.1 Communications Architecture

The communications architecture for the TC-AIMS II-GTN is depicted in Figure 3-47.



**Figure 3-47. TC-AIMS II-GTN Communications Architecture.**

TC-AIMS II will send SMTP messages to the GTN Sensitive But Unclassified (SBU) Transaction/Update Server. TC-AIMS II will send its transactions from its site's local gateway router, across the NIPRNET, through the Scott AFB NIPRNET gateway router, through the Scott AFB SBU FDDI Metropolitan Area Network (MAN), into the Scott AFB Consolidated Computer Facility (CCF) SBU router, across the GTN SBU LAN, to the GTN SBU Transaction/Update Server(s). Internal GTN communications mechanisms will provide transparent connection and switching of the TC-AIMS II data feeds between the Primary and Alternate Site.

TC-AIMS II does not employ contingency communications.

### 3.4.2 Communications Protocol

TC-AIMS II will transfer data to GTN via e-mail. E-mail uses the Simple Mail Transfer Protocol (SMTP) (RFC 821 and RFC 822) over Transmission Control Protocol/Internet Protocol (TCP/IP) (RFC 793 and RFC 791, respectively). Designated GTN Transaction/Update Server Domain Name Service (DNS) identifiers and IP addresses will be provided under separate

correspondence. SMTP provides positive acknowledgment to the sending node indicating the successful transmission of mail messages.

### **3.4.3 Message Formatting**

TC-AIMS II will transfer mail messages to GTN in a near real-time or event-driven mode as messages are processed by TC-AIMS II.

If TC-AIMS II fails to receive an indicator of successful completion on the first attempt, the SMTP protocol will continue to try delivering the message eight more times. If TC-AIMS II is unable to deliver the transaction successfully within the nine total attempts, it will queue its messages until its connectivity to GTN can be re-established. When TC-AIMS II re-establishes connectivity, all system messages that had previously failed to transmit to GTN will be resent. If GTN is not available to receive inputs from TC-AIMS II, they will queue its outputs to TC-AIMS II for 24 hours. Test mail addresses will be provided, separately, for the purpose of transferring any test data.

Priority is based on the mode of transportation. The functional community mandated air - first priority, sea - second priority and ground/rail - third priority. TC-AIMS II is a third priority system interface.

### **3.4.4 Directory Structure**

GTN update processing requires that incoming data be uniquely identifiable. For SMTP based interfaces like TC-AIMS II, normal file naming conventions do not apply.

TC-AIMS II addresses its SMTP mail to the GTN Transaction/Update server(s). Each TC-AIMS II site will have the same GTN mail address in the following format:

**<system>@<dns address>**

- The <system> will consist of "tc-aimsII" for the designated TC-AIMS II.
- The <dns address> will be in normal DNS format.

An example TC-AIMS II mailing address from a TC-AIMS II site would have the following name:

**tc-aimsII@gtn transaction server address**

All data transferred to GTN shall be valid production data that meets the specifications defined in this document.

### **3.4.5 Communications Security**

The TC-AIMS II-GTN interface is Sensitive But Unclassified. Processing of input TC-AIMS II data is performed by the GTN SBU Partition equipment suite.

### 3.4.6 Nondevelopment Items

TC-AIMS II uses SMTP for file transfer.

### 3.4.7 TC-AIMS II Site Identification

TC-AIMS II is currently located at eight sites and their locations are listed in Table 3-45. Table 3-45 describes the relevant communications information, including the TC-AIMS II IP addresses and corresponding transfer protocols.

To enhance GTN system security, designated GTN Transaction/Update server DNS identifiers, IP addresses, Transaction/Update server UNIX account names and passwords, and dial-in telephone numbers will be provided under separate correspondence.

**Table 3-45. TC-AIMS II Site Location.**

Site Name	Site Location	Site Identifier	Site GTN UNIX Account ID	Site Communications Type	Protocol(s)
N/A	Camp Pendleton, CA	TBD	N/A	Event-Driven	SMTP
N/A	Camp LeJeune, CA	TBD	N/A	Event-Driven	SMTP
N/A	Port Hueneme/ Point Mugu, CA	TBD	N/A	Event-Driven	SMTP
N/A	Gulfport, MS	TBD	N/A	Event-Driven	SMTP
N/A	Fort Eustis, VA	TBD	N/A	Event-Driven	SMTP
N/A	Fort Hood, TX	TBD	N/A	Event-Driven	SMTP
N/A	Mt. Home AFB, ID	TBD	N/A	Event-Driven	SMTP
N/A	Shaw AFB, SC	TBD	N/A	Event-Driven	SMTP

## **Section 4**

### **SECURITY**

## **Section 4**

### **SECURITY**

#### **4.1 SECURITY REQUIREMENTS**

This section addresses the security requirements that are specific to GTN, its mission, and its operation. The operational requirements include, among others, requirements placed on the system architecture, the roles mandated for its operation, and the physical constraints of the facility.

#### **4.2 SECURITY REFERENCES**

The GTN operational security requirements were derived from the DoD Regulation 5200.1R and DoD Directive (DoDD) 5200.28, and tailored using the GTN Mission Need Statement (MNS). These operational requirements have been captured in the GTN System Specification (GSS). Additional requirements are obtained from the DoD Information Technology Security Certification and Accreditation Process (DITSCAP) and the Secret and Below Interoperability (SABI) System Security Authorization Agreement (SSAA).

Full details of the architecture are presented in the GTN System Design Documentation (GSDD). The requirements have been placed under conFIGuration management and are the basis of the operational security requirements discussed in the Security Concept of Operations (CONOPS).

#### **4.3 GTN REQUIREMENTS**

GTN has a requirement for verification of data integrity from all source systems. In order to meet this goal all source and feeder systems will implement mechanisms such as Secure Shell (ssh) or Secure Copy (scp) to log into the GTN systems. Use of applications such as telnet, ftp, rlogin, etc., will no longer be accessible from external networks. Implementation of the GTN Firewalls will block such protocols from accessing the GTN infrastructure.

GTN will record the date and time of receipt and the source system transmitting data. For those systems that transfer information via scp/ssh to the GTN system, the source system originator will be required to login to the GTN system using the standard GTN login procedure. This will include the use of a valid GTN user ID and password supplied by the GTN System Security Administrator (SSA). The GTN password will be composed of six or more upper and lower case letters and/or numbers with one non-alphanumeric character included. The password must not be in a dictionary and must meet the minimum length requirements and requires periodic changing.

## **Section 5**

### **INTERFACE MODIFICATION PROCEDURES**



## **Section 5**

### **INTERFACE MODIFICATION PROCEDURES**

The GTN TC-AIMS II interface will remain largely static in design and implementation. Avoiding changes to the interface will minimize cost and schedule impacts overall. Any interface change requirements will be communicated in writing, and will be made and implemented in accordance with a schedule that has been approved by all affected parties. Changes will be communicated in writing to all concerned parties not less than 60 days prior to required implementation. Notification will clearly state the changes that will be made, and will identify potential and actual problems that might affect the interface between the GTN system and TC-AIMS II. The party initiating the change will provide the required notification to all affected parties.

Each party will provide system, technical, and security documentation to the other parties to assist in establishing, maintaining, and securing the interface.

## **Section 6**

### **NOTES**

## **Section 6**

### **NOTES**

#### **6.1 ACRONYMS AND ABBREVIATIONS**

The following is an alphabetical listing of all acronyms, abbreviations, and their meanings as they appear in the GTN-TC AIMS II Interface Requirements/Design Documents.

AALPS	Automated Air Load Planning System
AC	Air Craft
ACGA	First U.S. Army, East
AFB	Scott Air Force Base
AFJMAN	Air Force Joint Manual
AFSC	Air Force Specialty Code
AGCC	Sixth U.S. Army
AJFA	Second U.S. Army
AJFB	First U.S. Army, Mid-West
AJFC	Participating in exercise
AMC	
APOD	Aerial Port of Debarkation
APOE	Aerial port of embarkation
AR	Army Regulation
ASCII	American Standard Code for Information Interchange
ASPUR	Automated System for Processing Unit Requirements
ATCMD	Advanced Transportation Control Movement Document
ATLASS	Asset Tracking and Logistics Automated Support System
AUEL	Automated Unit Equipment List
BII	Basic Issue Item

BNF	Backus-Naur Form
C2	Command and Control
CAEMS	Computer Aided Embarkation Management System
CALM	Computer Aided Load Manifesting
CAPS II	Consolidated Aerial Port System II
CCF	Consolidated Computer Facility
CDRL	Contract Data Requirements List
CFR	Code of Federal Regulations
CIC	Content Indicator Code
CINCs	Commanders in Chief
CMOS	Cargo Movement Operations System
COMPASS	Computerized Movement Planning and Status System
CONEX	Container Express
CONOPS	GTN Security Concept of Operations
CONUS	Continental United States
CSCI	Computer Software Configuration Item
DAMMS-R	Department of Army Movement Management System–Redesign
DDDS	Defense Data Dictionary System
DDN	Defense Data Network
DEL	Deployment Equipment List
DIC	Document Identifier Code
DID	Data Item Description
DISN	Defense Information System Network
DITSCAP	DoD Information Technology Security Certification and Accreditation Process

DNS	Domain Name Service
DOC	Document
DOC_ID	Document Identification
DoD	Department of Defense
DoDAAC	DoD Activity Address Code
DoDAAD	DoD Activity Address Directory
DoDD	DoD Directive
DoDIC	DoD Identification Code
DPM	
DTS	Defense Transportation System
EOF	
ETA	Estimated Time of Arrival
etc.	and so forth
FDDI	Fiber Distributed Data Interface
FORSCOM	Forces Command
FSC	Federal Supply Classification
FSG	Federal Supply Group
FTP	File Transfer Protocol
FTX/CPX	Field Training Exercise/Command Post Exercise
GATES	Global Air Transportation & Execution System
GBLs	Government Bill of Lading
GCCS	
GEOLOC	Geographical Location Longitude and Latitude
GLIB	Global Logistics Interface Builder
GMT	Greenwich Mean Time

GOPAX	Group Operational Passenger System
GSDD	GTN System Design Documentation
GSS	GTN System Specification
GTN	Global Transportation Network
HazMat	Hazardous Material
Hdr	Header
HHT	Hand Held Terminal
HQ	Headquarters
IBS	Integrating Booking System
ICODES	Integrated Computerized Deployment System
ID	Identification number
IDD	Interface Design Description
IMDGC	International Movement of Dangerous Goods and Cargo
IMO	Inter-Governmental Maritime Organization
IP	Internet Protocol
IR/DD	Interface Requirements and Design Document
ISR	Installation Situation Report
ITGBL	International Through Government Bill of Lading
ITO	Installation Transportation Officer
ITV	In-Transit Visibility
J-FRG	Joint Force Requirements Generator
JOPES	
LAN	Local Area Network
LF	Linefeed
LIF	Logistics Information File

LIN	Line Item Number
LOGMOD	Logistics Module
LOGSA	Logistics Support Agency
MAGTF II	Marine Ground Air Task Force II
MAN	Metropolitan Area Network
MANPER-B	Manpower and Personnel Module – Base
MAPAC	Military Assistance Program Address Code
MDSS II	MAGTF Deployment Support System II, 5
MIL	Military
MILSTAMP	Military Standard Transportation and Movement Procedures
MIL-STD	Military Standard
MILVAN	Military Van
Misc	Miscellaneous
MNS	Mission Need Statement
MOA	Memorandum of Agreement
MODE	
MOS	Military Occupational Specialty
MPOE	Mode to Port of Embarkation
MRN	Movement Request Number
MTF	Medical Treatment Facility
MTMC	Military Traffic Management Command
N/A	Not Applicable
NCA	National Command Authority
NCFMIS	Naval Construction Force Management Information System
NEW	Net Explosive Weight

NIPRNET	Nonclassified Internet Protocol Router Network
No.	Number
NSN	National Stock Number
OCONUS	Outside Continental United States
OPLAN	Operation Plan
PAX	Passenger
PLM	
PMO	Program Management Office
PNR	Passenger Name Record
POD	Port of Debarkation
POE	Port of Embarkation
POV	Privately Owned Vehicle
PRAMS	Passenger Reservation and Manifesting System
RDD	Required Delivery Date
Reg	Regulation
REPSHIPS	
RFC	Request for Comment
ROLMS	Retail Ordnance Logistics Management System
RORO	Roll On/Roll Off
SAAM	Special Assignment Airlift Mission
SABI	Secret and Below Interoperability
SBU	Sensitive But Unclassified
SC	Supercargo
SCAC	Standard Carrier Account Code
scp	Secure Copy



SEAVAN	Sea van (a commercial/Government-owned/leased shipping container)
SET	System Entry Time
SIDPERS III	Standard Installation/Division Personnel System III
SMTP	Simple Mail Transfer Protocol
SSA	System Security Administrator
SSAA	System Security Authorization Agreement
ssh	Secure Shell
SSN	Social Security Number
STD	Standard
SU	Shipment Unit
SUN	Shipment Unit Number
TBD	To Be Determined
TC	Troop Commander
TC-AIMS II	Transportation Coordinator's Automated Information Management
TCC	Type Cargo Code
TCMD	Transportation Control Movement Document
TCN	Transportation control number
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDC	Type Data Code
telnet	Telecommunications Network
TRANSCOM	Transportation Command
Trl	Trailer
UD/MIPS	Unit Diary/Marine Corps Integrated Personnel System
UDL	

UEL	Unit Equipment List
UEN	Unit Entry Number
UIC	Unit Identification Code
ULN	Unit Line Number
UMD	Unit Movement Data
UN	United Nations
UNIX	UNIX Operating System
US	United States
USTCP	United States Transportation Command Publications
USTRANSCOM	United States Transportation Command
Veh	Vehicle
Vol	Volume
WPS	Worldwide Port System
Y2K	Year 2000

## **Appendix A**

### **TC-AIMS II FILE BACKUS-NAUR FORM**

## **Appendix A**

### **TC-AIMS II FILE BACKUS-NAUR FORM**

This appendix describes the file format of the external interface using Backus-Naur Form (BNF). BNF is a non-ambiguous technical mechanism (i.e., language) which provides the syntactic constraints required for implementation of the Global Logistics Interface Builder (GLIB) definitions. The GLIB definitions specify the rules for parsing the external interface data file(s), specifically detailing the relationship between transactions. This relationship information is not provided by the data element and transaction tables located within this IR/DD and is, thus, provided as an appendix.

```
<TC-AIMS II>::=  <ATCMD DATA GROUPS>
                  <PASSENGER MANIFEST GROUPS>
                  <UEL GROUPS>
                  <DEPARTURE GROUPS>
```

```
<ATCMD DATA GROUPS>::=  <ATCMD Records>
                           <ATCMD Record>
                           <LF>|
                           <ATCMD Record>
                           <LF>
```

```
<ATCMD Record>::=      <ATCMD for Single Shipment Unit (Air)>
                        <LF>|
                        <ATCMD for Single Shipment Unit (Wtr)>
                        <LF>|
                        <ATCMD for Loaded RORO (Air)>
                        <LF>|
                        <ATCMD for Loaded RORO (Wtr)>
                        <LF>|
                        <ATCMD for Loaded SEAVAN/MILVAN>
                        <LF>|
```

<ATCMD for Loaded SEAVAN/MILVAN (Air)>

<LF>|

<ATCMD for Loaded CONEX, Pallet, Cont (Air)>

<LF>|

<ATCMD for Loaded CONEX, Pallet, Cont (Wtr)>

<LF>|

<ATCMD for Loaded CONEX, Pallet, Cont Nested>

<LF>|

<ATCMD for Loaded CONEX, Pallet, Cont Nested>

<LF>|

<ATCMD for Shipment Unit in Consl Cont (Air)>

<LF>|

<ATCMD for Shipment Unit in Consl Cont (Wtr)>

<LF>|

<ATCMD for Shipment Unit in Consl Cont Nested (Air)>

<LF>|

<ATCMD for Shipment Unit in Consl Cont Nested (Wtr)>

<LF>|

<ATCMD for Outsized Dimensions (Air)>

<LF>|

<ATCMD for Outsized Dimensions (Wtr)>

<LF>|

<ATCMD for Outsized Dimensions Vehicle/Tlr/AC (Air)>

<LF>|

<ATCMD for Outsized Dimensions Vehicle/Tlr/AC (Wtr)>

<LF>|

<ATCMD for AMMO, Explosives (Air)>

<LF>|

<ATCMD for AMMO, Explosives (Wtr)>

<LF>|

<ATCMD for HazMat (Air)>

<LF>|

<ATCMD for HazMat (Wtr)>

<LF>|

<ATCMD for Stock Number (Air)>

<LF>|

<ATCMD for Stock Number (Wtr)>

<LF>|

<ATCMD for NEW (Air)>

<LF>|

<ATCMD for NEW (Wtr)>

<LF>|

<ATCMD for Additional HazMat Information (Air)>

<LF>|

<ATCMD for Additional HazMat Information (Wtr)>

<LF>|

<ATCMD for Empty CONEX (Air)>

<LF>|

<ATCMD for Empty CONEX (Wtr)>

<LF>|

<ATCMD for General Misc (Air)>

<LF>|

<ATCMD for General Misc (Wtr)>

<LF>|

<ATCMD for General Misc Unit (Air)>

<LF>|

<ATCMD for General Misc Unit (Wtr)>

<LF>|

<ATCMD for SEAVAN/MILVAN (Air)>

<LF>|

<ATCMD for SEAVAN/MILVAN (Wtr)>

<LF>|

<ATCMD for SEAVAN/MILVAN Reefer>

<LF>|

<ATCMD for SEAVAN/MILVAN Reefer Stopoff >

<LF>|

<ATCMD for SEAVAN/MILVAN Stopoff (Air)>

<LF>|

<ATCMD for SEAVAN/MILVAN Stopoff (Wtr)>

<LF>

<PASSENGER MANIFEST GROUPS>::= <PASSENGER MANIFEST GROUPS>

<PASSENGER MANIFEST GROUP> |

<PASSENGER MANIFEST GROUP>

<PASSENGER MANIFEST GROUP>::= <Passenger Manifest header (PXM)>

<LF>

<Passenger Name Records (PNR)>

<Passenger End Manifest (PZZ)>

<LF>

<Passenger Name Records (PNR)>::= <Passenger Name Records>

<Passenger Name Record>

<LF> |

<Passenger Name Record>

<LF>

<UEL GROUPS>::= <UEL GROUPS>

<UEL GROUP> |

<UEL GROUP>

<UEL GROUP>::= <UEL Transaction Header>

<LF>

<UEL (COMPASS) Card type groups>

<UEL Transaction End>

<LF>

<UEL (COMPASS) Card type groups>::= <UEL (COMPASS) Card type groups>

<UEL (COMPASS) Card type group> |

<UEL (COMPASS) Card type group>

<UEL (COMPASS) Card type group>::= <UEL (COMPASS) A Hdr>

<LF>|

<UEL (COMPASS) D Vehicle>

<LF>|

<UEL (COMPASS) E Load>

<LF>|

<UEL (COMPASS) F Special Handling>

<LF>|

<UEL (COMPASS) G Load>

<LF>

<DEPARTURE GROUPS>::= <DEPARTURE GROUPS>

<DEPARTURE GROUP> |

<DEPARTURE GROUP>

<DEPARTURE GROUP>::= <ISR Departure Transaction Header>

<LF>

<ISR Departure records>



$\langle \text{LF} \rangle$ 

<LF> ::= Linefeed

### Modifications needed to this IR/DD

Check the Communications section with compliance with IR/DD Format

Security Section

## BACUS-NAUR entries for new transactions

